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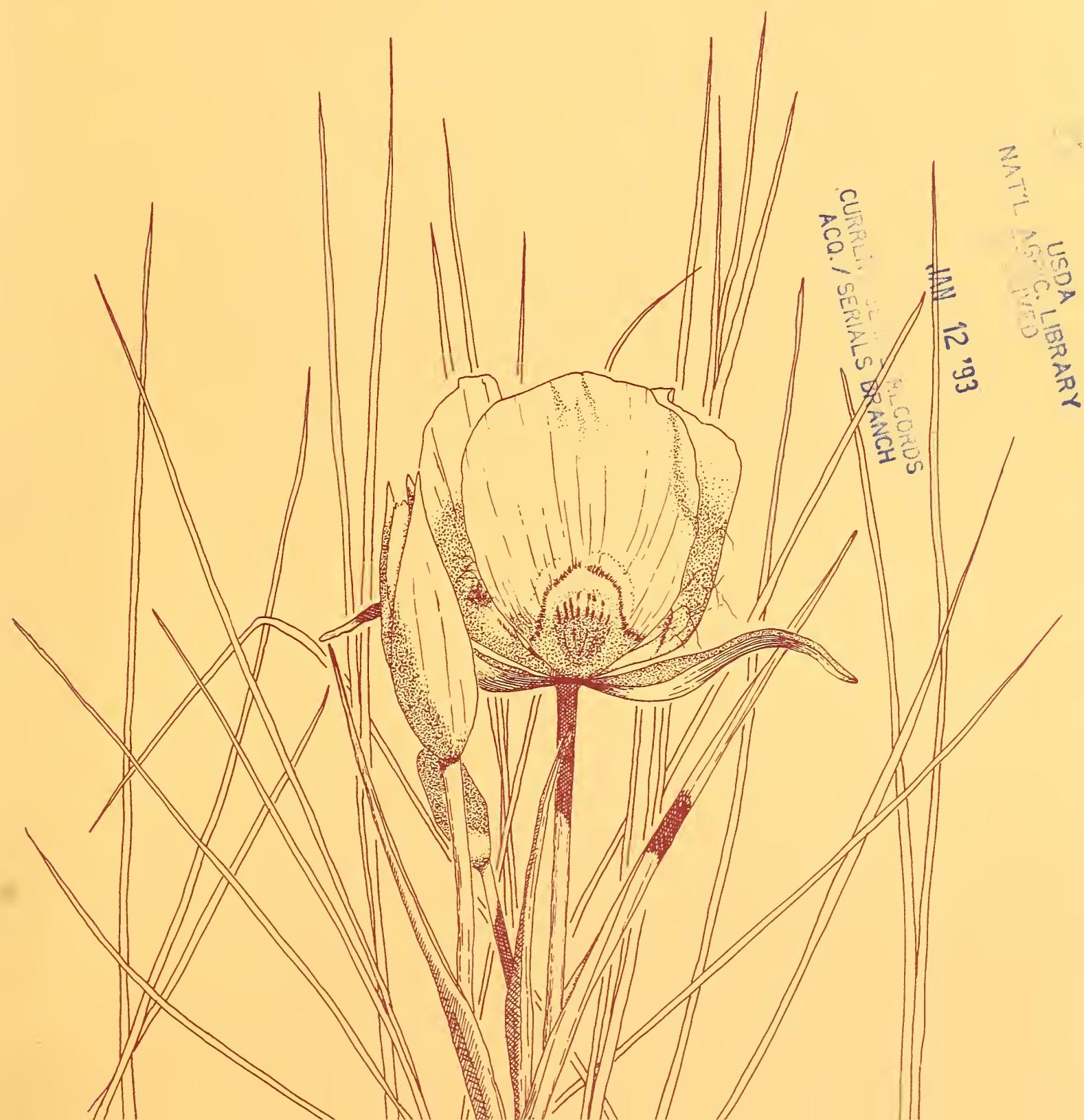
Intermountain  
Research Station

General Technical  
Report INT-292

December 1992



# Idaho's Rare Vascular Flora: Bibliography, 1896-1991



as  
A48  
(1896-1991)

## THE COMPILERS

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## ACKNOWLEDGMENTS

This bibliography was completed under a cooperative agreement between the Intermountain Research

Station, Forest Service, U.S. Department of Agriculture, and the Idaho Department of Fish and Game. We gratefully acknowledge the assistance of George Stephens, information manager at the Conservation Data Center, and Ruth Meerkatz, senior enrollee, stationed at the Intermountain Research Station's Forestry Sciences Laboratory in Boise, ID, for her assistance in processing orders and assembling publication files.

## RESEARCH SUMMARY

This bibliography of published and unpublished literature relating to Idaho's rare vascular flora covers the period from 1896 to 1991. It provides biologists, managers, and planners an information base so that past efforts are not duplicated, gaps in our knowledge can be identified and filled, and we can efficiently proceed with the conservation of rare plants in Idaho. The references came from the Source Abstract database of the Idaho Conservation Data Center's Biological and Conservation Data System, an accessible and dynamic information management system directed to the conservation of biological diversity. Keywords pertaining to the subject and species covered are included with each bibliographic entry. Entries are indexed by species.

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**Cover Illustration:** *Calachontus nitidus*, drawn by Lenora Oosterhuis.

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# **Idaho's Rare Vascular Flora: Bibliography, 1896-1991**

## **Compilers:**

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## **INTRODUCTION**

Biological diversity—especially in the conservation of rare species and natural ecosystems—is now a major international concern. Increasingly at local levels, researchers and land managers search for ways to contribute to the knowledge needed to solve biodiversity problems. In our effort toward conservation of rare plants in Idaho, we compiled this bibliography to provide biologists, managers, and planners an information base so that past efforts are not duplicated, gaps in our knowledge can be identified and filled, and conservation efforts can proceed efficiently.

When it began in 1984, the Idaho Department of Fish and Game's Conservation Data Center (formerly the Idaho Natural Heritage Program) inherited a two-decade accumulation of information pertaining to Idaho's rare plants. Much of this knowledge came from the personal experiences and extensive data compilation efforts of the Rare and Endangered Plants Technical Committee of the Idaho Natural Areas Council. The Technical Committee—consisting of Robert Steele (chair), Steven Brunsfeld, Douglass Henderson, Karl Holte, Frederic Johnson, and Patricia Packard—laid the foundation for rare plant conservation activities in the State and produced the first assessments of the status of Idaho's rare flora (see entries 694 and 695). Over its 8 years' existence, the Idaho Conservation Data Center has built upon this foundation and become the State's central clearinghouse and repository for rare plant data.

The Idaho Conservation Data Center is part of a worldwide information network directed toward the conservation of biological diversity. The network maintains permanent and dynamic atlases and databases on the existence, characteristics, numbers, condition, status, location, and distribution of rare species and communities. Developed and supported by The Nature Conservancy, this standardized information management methodology includes computerized databases known as the Biological and Conservation Data System (BCD). This bibliography was generated from one of the BCD databases, known as the Source Abstract database. In addition

to the computerized files, the Idaho Conservation Data Center maintains manual files, which include all of the references cited here.

The bibliography includes both published articles and unpublished reports pertaining to the conservation and management of Idaho's rare vascular flora and issued from 1896 through 1991. Taxa appearing on the Idaho Native Plant Society's 1991 list of rare vascular plants for Idaho (see entry 371) formed the basis for this project. However, no sources were located for many taxa. An alphabetical list of the taxa covered by this bibliography appears in the Index. The Index contains only rare species names and may not necessarily reflect other names that appear in publication titles. Spellings for scientific names are taken from the Idaho Native Plant Society's 1991 list.

A majority of the published literature was located through computerized, global literature searches, conducted for each taxon. About 300 databases were searched to locate information. For some species, searches were conducted in all databases available through the Dialog® vending service. Because of time and monetary constraints, eight particularly useful databases (Agricola, Biosis Previews®, CAB Abstracts, CRIS/USA, Environmental Bibliography, Dissertation Abstracts Online, Geobase™, and Pascal) were consulted for most of the species. All searching was done using scientific names. In general, we excluded sources relating to pharmacology and biochemistry and foreign language publications without English abstracts.

Unpublished reports included in the bibliography pertain primarily to rare taxa as they occur in Idaho and adjacent areas. We did not make an attempt to locate unpublished sources from throughout the range of widely distributed taxa.

Although the Source Abstract record contains many information fields, we used only two to produce this bibliography: CITATION and KEYWORDS. Other fields, such as ABSTRACT, are not included here due to space limitations but are available on request from the Idaho Conservation Data Center (see address at the end of this section).

Each entry consists of two parts:

- A. Bibliographic citation—numbered and listed alphabetically by the senior author's surname.
- B. Keywords—a two-part field:
  1. Taxon or taxa included in the reference. Several references, such as checklists, rare plant field guides, and floras, contain information on many rare taxa and are indicated as "multispecies."
  2. Subject category(ies) of the reference, falling into one or more of eight general areas:
    - a. Biology—pertains to a variety of studies relating to a species' biology not covered in other categories, including reproductive strategy, pollination, seed dispersal, seed biology, seedling ecology, nature of mortality, anatomy and morphology, pathology, physiology, and mycorrhizal associations, among others.
    - b. Community ecology—reference relating to the taxon.
    - c. Distribution—relating to the geographical occurrence or range of a taxon or a biogeographical analysis of the taxon or related group.
    - d. Genetics—relating to the genetics of a taxon.
    - e. Management techniques—relating to the management or recovery of a taxon, or both.
    - f. Monitoring—pertaining to the quantitative assessment of a taxon over time.
    - g. Status survey—comprehensive review of the distribution, abundance, and conservation status of a taxon throughout all or a portion of its range.
    - h. Taxonomy—taxon description or monograph of family, tribe, or genus.

The index assists in the use of the bibliography. It lists the numbers of the bibliographic entries for each taxon.

As with all our BCD databases, the Source Abstract database is constantly being updated as older sources are brought to our attention and new information becomes available. We welcome corrections and additions, which can be forwarded to us at:

Conservation Data Center  
Idaho Department of Fish and Game  
600 S. Walnut, P.O. Box 25  
Boise, ID 83843  
Phone: (208) 334-3402  
FAX: (208) 334-2114

## BIBLIOGRAPHY

1. Achuff, Peter L.; Shelly, J. Stephen. 1991. Demographic monitoring of *Penstemon lemhiensis*, Beaverhead National Forest, 1990 progress report. Unpublished report on file at: Montana Natural Heritage Program, Helena, MT. 34 p.  
*Penstemon lemhiensis*  
Monitoring, status survey
2. ACZ, Inc. 1990. Beartrack Project vegetation technical report. Prepared for: U.S. Department of Agriculture, Salmon National Forest, Salmon, ID, and Meridian Minerals, Englewood, CO. Steamboat Springs, CO: ACZ Inc., Engineering and Environmental Services. Draft.  
*Penstemon lemhiensis*  
Status survey
3. Ahlenslager, Kathleen E. 1988. *Muhlenbergia racemosa*. In: Fischer, William C., compiler. The Fire Effects Information System [Data base]. Missoula, MT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Intermountain Fire Sciences Laboratory.  
*Muhlenbergia racemosa*  
Community ecology
4. Allen, Don R. 1982. *Epipactis gigantea*. American Orchid Society Bulletin. 51(10): 1038-1040.  
*Epipactis gigantea*  
Distribution
5. Allred, Kelly W. 1976. The plant family Gentianaceae in Utah. Great Basin Naturalist. 36(4): 483-495.  
*Gentiana tenella*  
Distribution, taxonomy
6. Al-Shehbaz, Ishan A. 1973. The biosystematics of the genus *Thelypodium* (Cruciferae). Contributions from the Gray Herbarium. 204: 3-148.  
*Thelypodium laciniatum streptanthoides*, *Thelypodium repandum*  
Taxonomy
7. Alverson, Ed. 1985. *Botrychium lunaria* agg. - moonwort taxonomy for the Northwest.

*Douglasia* [newsletter of the Washington Native Plant Society]. 9(3): 2-4.

*Botrychium crenulatum*, *Botrychium lunaria*,  
*Botrychium minganense*, *Botrychium simplex*  
Taxonomy

8. Anderson, Bruce P.; Henderson, Douglass M. 1978. A survey of rare plants: Little Lost-Birch Creek planning unit, Idaho Falls District, Bureau of Land Management. Unpublished report on file at: University of Idaho, University of Idaho Herbarium, Moscow, ID. 33 p.

Multispecies  
Distribution

9. Anderson, Howard G.; Bailey, Arthur W. 1980. Effects of annual burning on grassland in the aspen parkland of east-central Alberta. *Canadian Journal of Botany*. 58(8): 985-996.

*Stipa viridula*  
Community ecology

10. Anderson, Loran C. 1978. New taxa in *Chrysanthemum*, section *Nauseosum* (Asteraceae). *Phytologia*. 38(4): 309-320.

*Chrysanthemum parryi montanus*  
Distribution, taxonomy

11. Anderson, Loran C. 1986. An overview of the genus *Chrysanthemum* (Asteraceae). In: Proceedings—symposium on the biology of *Artemisia* and *Chrysanthemum*; 1984 July 9-13; Provo, UT. Gen. Tech. Rep. INT-200. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station: 29-45.

*Chrysanthemum humilis*, *Chrysanthemum nauseosus nanus*, *Chrysanthemum parryi montanus*  
Distribution, taxonomy

12. Anderson, Loran C.; Kyhos, Donald W.; Mosquin, Theodore; Powell, A. Michael; Raven, Peter H. 1974. Chromosome numbers in Compositae. IX. *Haplopappus* and other Astereae. *American Journal of Botany*. 61(6): 665-671.

*Haplopappus insecticruris*, *Haplopappus latifolius*, *Haplopappus radiatus*  
Taxonomy

13. Anderson, R. Scott; Shafer, David S. 1991. Holocene biogeography of spruce-fir forests in southeastern Arizona - implications for the

endangered Mt. Graham red squirrel.  
*Madroño*. 38(4): 287-295.

*Ribes wolfii*  
Community ecology

14. Anderson, Roger C.; Loucks, Orie L. 1973. Aspects of the biology of *Trientalis borealis* Raf. *Ecology*. 54(4): 798-808.

*Trientalis latifolia*  
Biology, distribution

15. Anderson, Steve; White, Mitchel; Atwood, Duane. 1991. Humboldt National Forest sensitive plant field guide. Unpublished booklet on file at: U.S. Department of Agriculture, Forest Service, Intermountain Regional Office, Ogden, UT. Not paged.

*Antennaria arcuata*, *Astragalus yoder-williamsii*,  
*Dimeresia howellii*, *Erigeron latus*  
Distribution

16. Andreas, Barbara K.; Host, George E. 1983. Development of a *Sphagnum* bog on the floor of a sandstone quarry in northeastern Ohio. *Ohio Journal of Science*. 83(5): 246-253.

*Lycopodium inundatum*, *Scirpus cyperinus*  
Community ecology

17. Angelo, Ray. 1979. *Ledum groenlandicum* rediscovered in Concord, Massachusetts. *Rhodora*. 81(826): 285-286.

*Ledum groenlandicum*, *Vaccinium oxycoccus*  
Distribution

18. Annable, Carol R.; Peterson, Paul M. 1988. Vascular plants of the Kettle Range, Ferry County, Washington. *Douglasia Occasional Papers* [publication of the Washington Native Plant Society]. 3: 62-96.

*Scheuchzeria palustris*, *Thelypteris nevadensis*  
Status survey

19. Anon. Status report for *Lomatium orogenioides*. [n.d.]. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Tauschia tenuissima*  
Status survey

20. Anon. 1975. The genus *Dodecatheon* Linnaeus in British Columbia. *Davidsonia*. 6(1): 7-13.

*Dodecatheon dentatum*  
Distribution

21. Applegate, Elmer I. 1933. New western *Erythroniums*. Contributions from the Dudley Herbarium of Stanford University. 1(3): 188-190.

*Erythronium grandiflorum nudipetalum*  
Taxonomy

22. Applegate, Elmer Ivan. 1935. The genus *Erythronium*: a taxonomic and distributional study of the western North American species. *Madroño*. 3: 58-113.

*Erythronium grandiflorum nudipetalum*  
Distribution, taxonomy

23. Arditti, Joseph; Michaud, Justine D.; Oliva, Allison P. 1981. Seed germination of North American orchids. I. Native California and related species of *Calypso*, *Epipactis*, *Goodyera*, *Piperia*, and *Platanthera*. *Botanical Gazette*. 142(4): 442-453.

*Epipactis gigantea*  
Biology

24. Arditti, Joseph; Michaud, Justine D.; Oliva, Allison P. 1982. Practical germination of North American and related orchids - 1 - *Epipactis atrorubens*, *E. gigantea* and *E. helleborine*. *American Orchid Society Bulletin*. 51(2): 162-171.

*Epipactis gigantea*  
Biology

25. Argue, Charles L. 1986. Some taxonomic implications of pollen and seed morphology in *Mimulus hymenophyllum* and *M. jungermannioides* and comparisons with other putative members of the *M. moschatus* alliance (Scrophulariaceae). *Canadian Journal of Botany*. 64(7): 1331-1337.

*Mimulus patulus*, *Mimulus washingtonensis ampliatus*  
Taxonomy

26. Argus, George W. 1957. The willows of Wyoming. *University of Wyoming Publications*. 21(1): 1-63.

*Salix candida*, *Salix farriae*  
Taxonomy

27. Argus, George W. 1965. The taxonomy of the *Salix glauca* complex in North America. Contributions from the Gray Herbarium of Harvard University. No. 196. Cambridge, MA: The Gray Herbarium of Harvard University. 142 p.

*Salix glauca*  
Taxonomy

28. Argus, George W.; Pryer, Kathleen M. 1990. Rare vascular plants in Canada: our natural heritage. Ottawa: Canadian Museum of Nature. 191 p. plus maps.

Multispecies  
Distribution

29. Arnold, Sylvia M. 1973. Interactions of light and temperature on the germination of *Plantago maritima* L. *New Phytologia*. 72: 583-593.

*Kobresia simpliciuscula*  
Biology

30. Arp, Gerald. 1972. Studies in the Colorado Cacti. II. Notes on the ecology of *Pediocactus simpsonii*. *Cactus Succulent Journal*. 44(3): 108-110.

*Pediocactus simpsonii robustior*  
Community ecology

31. Arp, Gerald; Rogers, David J. 1970. A computer aided classification of the varieties of *Pediocactus simpsonii* (Engelm.) B. & R. *Cactus Succulent Journal*. 42(1): 40-43.

*Pediocactus simpsonii robustior*  
Taxonomy

32. Atkinson, R. G. 1965. *Phytophthora* species inciting root rot of *Chamaecyparis lawsoniana* and other ornamentals in coastal British Columbia. *Canadian Journal of Botany*. 43: 1471-1475.

*Cornus nuttallii*  
Biology

33. Atwood, N. Duane. 1970. Flora of the National Reactor Testing Station. *Science Bulletin, Biological Series*, Vol. XI(4). Provo, UT: Brigham Young University. 46 p.

*Gymnosteris nudicaulis*, *Oxytheca dendroidea*, *Phacelia inconspicua*  
Distribution, taxonomy

34. Atwood, Duane. 1980. Status report on *Antennaria arcuata*. Unpublished report on file at: Idaho Department of Fish and Game,

Conservation Data Center, Boise, ID. Not paged.

*Antennaria arcuata*  
Status survey

35. Atwood, Duane. 1983. Status report for *Cymopterus douglassii*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Cymopterus douglassii*  
Status survey

36. Atwood, Duane. 1983. Status report for *Haplopappus insecticruris*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 5 p.

*Haplopappus insecticruris*  
Status survey

37. Atwood, Duane. 1984. Updated status report for *Castilleja christii*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 5 p.

*Castilleja christii*  
Status survey

38. Atwood, Duane. 1987. Status report for *Allium madidum*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Allium madidum*  
Status survey

39. Atwood, Duane. 1988. Status report for *Musineon lineare* (Rydb.) Mathias. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Musineon lineare*  
Status survey

40. Atwood, Duane. 1988. Status report for *Penstemon compactus*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Penstemon compactus*  
Status survey

41. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Agoseris lackschewitzii*. Unpublished report on file at: Idaho

Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Agoseris lackschewitzii*  
Status survey

42. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Allium tolmiei* var. *persimile*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Allium tolmiei persimile*  
Status survey

43. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Allotropa virgata*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Allotropa virgata*  
Status survey

44. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Astragalus amblytropis*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Astragalus amblytropis*  
Status survey

45. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Astragalus amnis-amissi*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Astragalus amnis-amissi*  
Status survey

46. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Astragalus aquilonius*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Astragalus aquilonius*  
Status survey

47. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Calamagrostis tweedyi*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Calamagrostis tweedyi*  
Status survey

48. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Douglasia idahoensis*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Douglasia idahoensis*  
Status survey

49. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Halimolobos perplexa* var. *perplexa*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Halimolobos perplexa perplexa*  
Status survey

50. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Haplopappus aberrans*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Haplopappus aberrans*  
Status survey

51. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Haplopappus radiatus*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Haplopappus radiatus*  
Status survey

52. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Lomatium rollinsii*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Lomatium rollinsii*  
Status survey

53. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Penstemon elegantulus*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Penstemon elegantulus*  
Status survey

54. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Penstemon lemhiensis*. Unpublished report on file at: Idaho

Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Penstemon lemhiensis*  
Status survey

55. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Salix farriae*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Salix farriae*  
Status survey

56. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Saxifraga adscendens* var. *oregonensis*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Saxifraga adscendens oregonensis*  
Status survey

57. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Saxifraga bryophora* var. *tobiasiae*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Saxifraga bryophora tobiasiae*  
Status survey

58. Atwood, Duane; Charlesworth, Nancy. 1987. Status report on *Saxifraga cernua* L. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Saxifraga cernua*  
Status survey

59. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Silene spaldingii*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Silene spaldingii*  
Status survey

60. Atwood, Duane; Charlesworth, Nancy. 1987. Status report for *Tofieldia glutinosa* var. *absona*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Tofieldia glutinosa absona*  
Status survey

61. Atwood, N. Duane; Goodrich, Sherel; Welsh, Stanley L. 1984. New *Astragalus* (Leguminosae) from the Goose Creek drainage, Utah-Nevada. *Great Basin Naturalist*. 44(2): 263-264.

*Astragalus anserinus*  
Taxonomy

62. Atwood, Duane; Holland, Jim; Bolander, Ron; [and others]. 1991. Utah—endangered, threatened and sensitive plant field guide. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Region. Not paged.

*Astragalus anserinus*, *Carex leptalea*, *Cryptantha caespitosa*, *Cypripedium fasciculatum*, *Musineon lineare*, *Penstemon compactus*, *Penstemon idahoensis*  
Distribution

63. Atwood, N. Duane; Welsh, Stanley L. 1988. An *Erigeron* from Nevada and a *Penstemon* from Idaho. *Great Basin Naturalist*. 48(4): 495-498.

*Penstemon idahoensis*  
Distribution, taxonomy

64. Backeus, Ingvar. 1985. Aboveground production and growth dynamics of vascular bog plants in central Sweden. *Acta Phytogeographica Suecica*. 74. 98 p.

*Andromeda polifolia*, *Rhyncospora alba*, *Scheuchzeria palustris*, *Vaccinium oxycoccus*  
Community ecology

65. Bailey, L. H. 1896. Notes on *Carex*. XVIII. The *Botanical Gazette*. 21: 1-8.

*Carex idaho*  
Taxonomy

66. Bain, John F. 1988. Taxonomy of *Senecio streptanthifolius* Green. *Rhodora*. 90: 277-312.

*Senecio streptanthifolius laetiflorus*  
Distribution, taxonomy

67. Baird, Gary I.; Tuhy, Joel; Franklin, M. A. "Ben". 1991. Report for 1990 Challenge Cost share project USDI Bureau of Land Management. Target species: *Astragalus anserinus* Atwood, Goodrich, & Welsh, *Penstemon idahoensis* Atwood & Welsh, *Potentilla coccinea* Holmgren. Unpublished report

on file at: Utah Natural Heritage Program, Salt Lake City, UT. 16 p. plus appendices.

*Astragalus anserinus*, *Penstemon idahoensis*  
Status survey

68. Baker, Charles. 1985. Insects associated with *Mirabilis macfarlanei* (Nyctaginaceae) with emphasis on the life cycle of *Lithariepteryx* N. sp. (Lepidoptera: Heliodinae). *Proceedings—Washington State Entomological Society*. April/Sept. (47): 756. Abstract.

*Mirabilis macfarlanei*  
Biology

69. Baker, William L. 1983. Alpine vegetation of Wheeler Peak, New Mexico, U.S.A.: gradient analysis, classification, and biogeography. *Arctic and Alpine Research*. 15(2): 223-240.

*Kobresia bellardii*  
Community ecology

70. Ballard, Nan. 1976. A delightful little stutterberry, *Vaccinium oxycoccus* L. *Arboretum Bulletin* (aka) *Arbor Foundation*. 39(2): 32

*Vaccinium oxycoccus*  
Community ecology

71. Barkworth, Mary E.; Maze, Jack. 1982. The identity of *Stipa columbiana* Macoun and *S. viridula* var. *minor* Vasey (Gramineae, Stipeae): a rebuttal. *Taxon*. 31(2): 290-299.

*Stipa viridula*  
Taxonomy

72. Barneby, R. C. 1947. Distributional notes and minor novelties. *Leaflets of Western Botany*. 5(4): 61-66.

*Dimeresia howellii*, *Eatonella nivea*, *Glytopleura marginata*, *Mentzelia torreyi acerosa*, *Nemacladus rigidus*, *Peteria thompsoniae*  
Distribution

73. Barneby, R. C. 1949. Pugillus *Astragalorum* XI: two new species. *Leaflets of Western Botany*. 5(12): 193-195.

*Astragalus sterilis*  
Taxonomy

74. Barneby, Rupert. 1956. Pugillus *Astragalorum* XVIII: miscellaneous novelties and reappraisals. *American Midland Naturalist*. 55(2): 477-503.

*Astragalus conjunctus*, *Astragalus riparius*, *Astragalus vexilliflexus nubilus*  
Taxonomy

75. Barneby, Rupert C. 1964. *Atlas of North American Astragalus*. Parts 1 and 2. Memoirs of The New York Botanical Garden, Vol. 13. Bronx, NY: The New York Botanical Garden. 1188 p.

*Astragalus yoder-williamsii*  
Taxonomy

76. Barneby, Rupert C. 1980. *Dragma Hippomanicum VI: a new Tragacanthoid Astragalus* from Nevada and Idaho. *Brittonia*. 32(1): 30-32.

*Astragalus yoder-williamsii*  
Taxonomy

77. Barneby, Rupert C. 1989. *Fabales*. In: Cronquist, Arthur; Holmgren, Arthur H.; Holmgren, Noel H.; Reveal, James L.; Holmgren, Patricia K. *Intermountain flora. Vol. 3, Part B*. Bronx, NY: The New York Botanical Garden. 279 p.

*Bacopa rotundifolia*  
Distribution, taxonomy

78. Barrett, Spencer C. H.; Strother, John L. 1978. Taxonomy and natural history of *Bacopa* (Scrophulariaceae) in California. *Systematic Botany*. 3(4): 408-419.

*Bacopa rotundifolia*  
Distribution, taxonomy

79. Bates, Vernon, 1986. A note on the lectotypification of *Aster jessicae* Piper (Asteraceae). *Taxon*. 35: 170-171.

*Aster jessicae*  
Taxonomy

80. Bauer, Paul J. 1983. Bumblebee pollination relationships on the Beartooth Plateau tundra of southern Montana. *American Journal of Botany*. 70(1): 134-144.

*Castilleja pulchella*  
Biology, community ecology

81. Beard, Thomas D. 1973. Overwinter drawdown: impact on the aquatic vegetation in Murphy Flowage, Wisconsin. *Tech. Bull.* 61. Madison, WI: Wisconsin Department of Natural Resources, Bureau of Research. 13 p.

*Potamogeton diversifolius*  
Community ecology

82. Beer, Sven; Wetzel, Robert G. 1982. Photosynthesis in submersed macrophytes of a temperate lake. *Plant Physiology*. 70(2): 488-492.

*Scirpus subterminalis*  
Biology

83. Beitel, Joseph M. 1979. The clubmosses *Lycopodium sitchense* and *L. sabinifolium* in the upper Great Lakes region. *The Michigan Botanist*. 18(1): 3-13.

*Lycopodium sitchense*  
Taxonomy

84. Bell, Katherine L.; Bliss, L. C. 1979. Autecology of *Kobresia bellardii*: why winter snow accumulation limits local distribution. *Ecological Monographs*. 49(4): 377-402.

*Kobresia bellardii*  
Community ecology

85. Benson, Lyman. 1948. A treatise on the North American *Ranunculi*. *The American Midland Naturalist*. 40(1): 1-261.

*Ranunculus gelidus, Ranunculus pygmaeus*  
Taxonomy

86. Berch, Shannon M.; Gamiet, Sharmin; Deom, Elisabeth. 1988. Mycorrhizal status of some plants of southwestern British Columbia. *Canadian Journal of Botany*. 66(10): 1924-1928.

*Polypodium glycyrrhiza, Trientalis latifolia*  
Community ecology

87. Berenbaum, M. 1981. Patterns of furanocoumarin distribution and insect herbivory in the Umbelliferae: plant chemistry and community structure. *Ecology*. 62(5): 1254-1266.

*Cicuta bulbifera*  
Taxonomy

88. Bernard, John M. 1989. Life history and vegetative reproduction in *Carex*. *Canadian Journal of Botany*. 68: 1441-1448.

*Carex chordorrhiza, Carex comosa, Carex flava*  
Biology

89. Bernatas, Susan. 1988. Threatened and endangered plant species occurrences within proposed spruce salvage sales, Wallowa-Whitman National Forest, Wallowa Valley

Ranger District. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 9 p.

*Allium madidum*, *Allium tolmiei platyphyllum*, *Botrychium crenulatum*, *Botrychium lanceolatum lanceolatum*, *Botrychium minganense*  
Status survey

90. Bernatas, Susan. 1989. National Natural Landmark evaluation: Rocky Comfort Flat proposed Research Natural Area (Idaho). Prepared for: U.S. Department of the Interior, National Park Service, Seattle, WA. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 22 p.

*Allium tolmiei persimile*  
Status survey

91. Bernatas, Susan. 1991. Final report for the rare plant and significant natural plant community inventory of the Saylor Creek Air Force Range. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 47 p.

*Astragalus kentrophyta jessiae*  
Status survey

92. Bernatas, Susan; Moseley, Robert K. 1991. Long-term population monitoring of Davis' peppergrass (*Lepidium davisii*) on the Mountain Home Air Force Base: establishment of monitoring plots and first-year results. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 9 p. plus appendices.

*Lepidium davisii*  
Monitoring

93. Bertagnolli, Catherine L.; Partridge, Arthur D. 1990. Mortality of Pacific dogwood, a coastal disjunct population in northern Idaho. Unpublished report on file at: University of Idaho, Forest, Wildlife and Range Experiment Station, Moscow, ID. 13 p. plus photographs.

*Cornus nuttallii*  
Biology, management techniques

94. Bingham, R. T. 1979. An annotated list of rare, native plants known or likely to occur on the Hells Canyon National Recreation Area. Unpublished paper on file at: Idaho Department

of Fish and Game, Conservation Data Center, Boise, ID. 155 p.

Multispecies  
Distribution

95. Bingham, Richard T. 1987. Plants of the Seven Devils Mountains of Idaho—an annotated checklist. Gen. Tech. Rep. INT-219. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 146 p.

Multispecies  
Distribution

96. Bingham, Richard T.; Henderson, Douglass M. 1980. Guide to the common plants of Hells Canyon. Baker, OR: U.S. Department of Agriculture, Forest Service, Hells Canyon National Recreation Area. 56 p.

*Rubus bartonianus*  
Distribution

97. BioSystems Analysis, Inc. 1990. Endangered plant survey for the PGT-PGE&E pipeline expansion project, Idaho, Washington, Oregon, and California. Submitted to: Pacific Gas Transmission Company, San Francisco, CA. Santa Cruz, CA: BioSystems Analysis Inc.

*Botrychium minganense*, *Carex flava*, *Juncus effusus pacificus*, *Sanicula marilandica*, *Scheuchzeria palustris*  
Status survey

98. Bjorkman, Olle; Nobs, Malcolm; Mooney, Harold; [and others]. 1974. Growth responses of plants from habitats with contrasting thermal environments. Carnegie Institution of Washington Year Book. 73: 748-757.

*Solidago spectabilis*  
Biology

99. Blake, Jill. 1988. A field guide to BLM Sensitive Plants and other rare plants of northern Idaho. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged. Editorial draft.

Multispecies  
Distribution

100. Blauer, A. Clyde; Plummer, A. Perry; McArthur, E. Durant; Stevens, Richard; Giunta, Bruce C. 1975. Characteristics and

hybridization of important Intermountain shrubs. I. Rose family. Res. Pap. INT-169. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 36 p.

*Peraphyllum ramosissimum*  
Biology, distribution

101. Boggs, Keith; Hansen, Paul; Pfister, Robert; Joy, John. 1990. Classification and management of riparian and wetland sites in northwestern Montana. Missoula, MT: University of Montana, Montana Forest and Conservation Experiment Station, School of Forestry. 217 p. Draft Version 1.

*Carex buxbaumii, Salix candida*  
Community ecology

102. Boivin, Bernard. 1944. American *Thalictrum* and their Old World allies. *Rhodora*. 46: 337-377, 391-445, 453-487.

*Thalictrum dasycarpum*  
Distribution, taxonomy

103. Bolin, Roger; Rosentreter, Roger. 1986. The autecology of *Allium aaseae*. Prepared for: Unimin Corporation, New Canaan, CT. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 12 p.

*Allium aaseae*  
Biology, management techniques

104. Bowles, Marlin L. 1989. A status report on endangered and threatened plants of the Indiana Dunes National Lakeshore: monitoring of species new to the lakeshore and re-monitoring of selected species. Unpublished report prepared for the Morton Arboretum, Lisle, IL. 8 p. plus appendices.

*Carex flava, Scirpus cyperinus*  
Community ecology, monitoring

105. Bowles, Marlin L.; DeMauro, Marcella M.; Pavlovic, Noel; Hiebert, Ronald D. 1990. Effects of anthropogenic disturbances on endangered and threatened plants at the Indiana Dunes National Lakeshore. *Natural Areas Journal*. 10(4): 187-200.

*Carex chordorrhiza, Lycopodium inundatum*  
Community ecology, management techniques

106. Bowles, Marlin L.; Hess, William J.; DeMauro, Marcella M. 1985. An assessment of the

monitoring program for special floristic elements at Indiana Dunes National Lakeshore. Phase 1. The endangered species. Unpublished report prepared for the Morton Arboretum, Lisle, IL.

*Carex chordorrhiza, Lycopodium inundatum, Rhyncospora alba, Vaccinium oxycoccus*  
Monitoring

107. Bowles, Marlin L.; Hess, William J.; DeMauro, Marcella M.; Hiebert, Ronald D. 1986. Endangered plant inventory and monitoring strategies at Indiana Dunes National Lakeshore. *Natural Areas Journal*. 6(1): 18-26.

*Carex chordorrhiza, Lycopodium inundatum*  
Biology, monitoring

108. Bowley, Donovan Robin. 1970. Characterization and comparison of two alpine bogs (Mt. Mansfield, Vermont). Boston, MA: Boston University. 88 p. Thesis.

*Carex paupercula, Gaultheria hispidula, Ledum groenlandicum, Vaccinium oxycoccus*  
Community ecology, distribution

109. Braggins, J. E. 1980. Some studies on the New Zealand species of *Botrychium* Sw. (Ophioglossaceae). *New Zealand Journal of Botany*. 18: 353-366.

*Botrychium lunaria*  
Taxonomy

110. Brayshaw, T. C. 1976. Catkin bearing plants (Amentiferae) of British Columbia. Occasional Papers of the British Columbia Provincial Museum No. 18. Victoria, BC: Department of Provincial Secretary. 176 p.

*Betula pumila glandulifera, Salix candida, Salix glauca, Salix pedicellaris*  
Distribution, taxonomy

111. Bridgland, J.; Gillett, J. M. 1983. Vascular plants of the Hayes Sound region, Ellesmere Island, Northwest Territories. *Canadian Field-Naturalist*. 97(3): 279-292.

*Arnica alpina tomentosa, Draba fladnizensis, Kobresia simpliciuscula, Lychnis apetala montana, Saxifraga cernua*  
Distribution

112. Brodberg, Robert; Fisher, T. Richard. 1976. *Scirpus subterminalis* Torr. (Cyperaceae):

a new state record. *Ohio Journal of Science.* 76(3): 109-110.

*Scirpus subterminalis*  
Distribution

113. Brooks, Paula; Urban, Karl; Yates, Eugene; Johnson, Charles G. [n.d.] Wallowa-Whitman NF sensitive plant guide. Unpublished booklet on file at: U.S. Department of Agriculture, Forest Service, Wallowa-Whitman National Forest, Baker City, OR. Not paged.

Multispecies  
Distribution

114. Brown, Edward A., II; Coder, Kim D. 1990. Plant pathology fact sheet: dogwood diseases and problems. Leafl. 36. Athens, GA: University of Georgia, Cooperative Extension Service, College of Agriculture. Not paged.

*Cornus nuttallii*  
Biology, management techniques

115. Brown, Ray W.; Ruf, Robert H.; Farmer, Eugene E. 1971. Suitability of *Ceanothus prostratus* Benth. for the revegetation of harsh sites. Res. Note INT-144. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 12 p.

*Ceanothus prostratus*  
Management techniques

116. Brownell, Vivian R. 1985. Herbarium and published data for *Cypripedium fasciculatum* Kell. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 7 p.

*Cypripedium fasciculatum*  
Distribution

117. Brownell, Vivian R.; Catling, P. M. 1987. Notes on the distribution and taxonomy of *Cypripedium fasciculatum* Kellogg ex Watson (Orchidaceae). *Lindleyana*. 2(1): 53-57.

*Cypripedium fasciculatum*  
Distribution, taxonomy

118. Browse, Shrub-Forb Committee of the Association of Official Seed Analysts. 1985. *Peraphyllum ramosissimum*. In: Belcher, Earl, chairman. Handbook on seeds of browse-shrubs and forbs. Tech. Publ. R8-TP8. Atlanta, GA: U.S. Department of

Agriculture, Forest Service, Southern Region: 149-150.

*Peraphyllum ramosissimum*  
Biology

119. Brunsfeld, Steven J. 1981. Alpine flora of east-central Idaho. Moscow, ID: University of Idaho. 205 p. Thesis.

Multispecies  
Community ecology, distribution

120. Brunsfeld, Steven; Brunsfeld, Pamela; Henderson, Douglass M. 1979. A survey of the rare plants of the Challis National Forest Yankee Fork District with recommendations and management implications. Unpublished report on file at: University of Idaho, University of Idaho Herbarium, Moscow, ID. 47 p. plus appendix.

Multispecies  
Status survey

121. Brunsfeld, Steven; Caicco, Steven; Henderson, Douglass M. 1983. Noteworthy collections: Idaho. *Madroño*. 30: 64.

*Parnassia kotzebuei kotzebuei*  
Distribution

122. Brunsfeld, Steven J.; Johnson, Frederic D. 1985. Field guide to the willows of east-central Idaho. Bull. 39. Moscow, ID: University of Idaho, Forest, Wildlife and Range Experiment Station. 95 p.

*Salix candida*, *Salix farriae*  
Distribution, taxonomy

123. Brunsfeld, Steven J.; Johnson, Frederic D. 1986. Notes on *Betula* ser. *Humiles* (Betulaceae) in Idaho. *Madroño*. 33: 147-148.

*Betula pumila glandulifera*  
Distribution, taxonomy

124. Brunsfeld, Steven J.; Nesom, Guy L. 1989. *Erigeron salmonensis* (Asteraceae), a rare new species from Idaho. *Brittonia*. 41(4): 424-428.

*Erigeron salmonensis*  
Distribution, taxonomy

125. Brunton, Daniel F. 1986. Status of the giant helleborine, *Epipactis gigantea* (Orchidaceae), in Canada. *The Canadian Field-Naturalist*. 100(3): 414-417.

*Epipactis gigantea*  
Biology, distribution

126. Bryson, Charles T.; Jones, Stanley D. 1990. *Carex comosa* (Cyperaceae), new to Mississippi. *Sida*. 14(2): 311-312.

*Carex comosa*  
Distribution

127. Burns-Balogh, Pamela; Szlachetko, Dariusz L.; Dafni, Amots. 1987. Evolution, pollination, and systematics of the tribe Neottieae (Orchidaceae). *Plant Systematics and Evolution*. 156: 91-115.

*Epipactis gigantea*  
Biology, taxonomy

128. Bursik, Robert. 1990. Floristic and phytogeographic analysis of northwestern Rocky Mountain peatlands, U.S.A. Moscow, ID: University of Idaho. 37 p. Thesis.

Multispecies  
Community ecology, distribution

129. Bursik, Robert J. 1992. Field investigations of sensitive plant taxa on the Priest Lake Ranger District, Kaniksu National Forest, Idaho Panhandle National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 141 p. plus appendices.

Multispecies  
Status survey

130. Byther, Ralph S.; Davidson, Roy M., Jr. 1979. Dogwood anthracnose. *Ornamentals Northwest Newsletter*. Corvallis, OR: Cooperative Extension Service, Oregon State University; Mar./Apr. 20-21.

*Cornus nuttallii*  
Biology

131. Caicco, Steve L. 1987. Field investigations of selected sensitive plant species on the Clearwater National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 21 p. plus appendices.

*Asplenium trichomanes*, *Corydalis caseana hastata*, *Europhyton austinia*, *Juncus effusus pacificus*, *Mimulus clivicola*, *Viola sempervirens*  
Status survey

132. Caicco, Steven L. 1987. Field investigations of selected sensitive plant species on the Idaho Panhandle National Forests. Unpublished report on file at: Idaho Department of Fish

and Game, Conservation Data Center, Boise, ID. 44 p. plus appendices.

Multispecies  
Status survey

133. Caicco, Steven L. 1987. Field investigations of selected sensitive plant species on the Nez Perce National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 42 p. plus appendices.

*Calochortus nitidus*, *Cardamine constancei*, *Festuca subuliflora*, *Mimulus clivicola*, *Penstemon elegantulus*  
Status survey

134. Caicco, Steven L. 1987. National Natural Landmark evaluation. *Aquarius* proposed Research Natural Area (Idaho). Prepared for: U.S. Department of the Interior, National Park Service, Seattle, WA. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 24 p. plus appendices.

*Cardamine constancei*, *Carex hendersonii*, *Corydalis caseana hastata*, *Cypripedium fasciculatum*, *Dodecatheon dentatum*, *Mimulus clivicola*, *Polypodium glycyrrhiza*, *Thelypteris nevadensis*, *Trifolium latifolia*  
Status survey

135. Caicco, Steven L. 1988. Field investigations of selected sensitive plant species on the Clearwater National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 15 p. plus appendices.

*Calochortus nitidus*, *Cypripedium fasciculatum*, *Juncus effusus pacificus*, *Mimulus clivicola*  
Monitoring, status survey

136. Caicco, Steven L. 1988. Preliminary results of an investigation into the life history and population dynamics of *Calochortus nitidus* Dougl. (Liliaceae). Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 10 p. plus appendices.

*Calochortus nitidus*  
Monitoring

137. Caicco, Steven L. 1988. Status report for *Calochortus nitidus*. Prepared for: Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish

and Game, Conservation Data Center, Boise, ID. 54 p. plus appendices.

*Calochortus nitidus*  
Status survey

138. Caicco, Steven L. 1988. Status report for *Draba trichocarpa*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 21 p. plus appendices.

*Draba trichocarpa*  
Status survey

139. Caicco, Steven L. 1988. Status report for *Thelypodium repandum*. Prepared for: Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 35 p. plus appendices.

*Thelypodium repandum*  
Status survey

140. Caicco, Steven L. 1988. Studies in the genus *Carex* on the Idaho Panhandle National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 26 p. plus appendices.

*Carex aenea*, *Carex buxbaumii*, *Carex californica*, *Carex flava*, *Carex hendersonii*, *Carex idahoana*, *Carex lividula*, *Carex paupercula*, *Carex tumulicola*  
Status survey

141. Caicco, Steven L. 1989. Field investigations of selected sensitive plant species of the Nez Perce National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 12 p. plus appendices.

*Astragalus paysonii*, *Carex californica*, *Dasynotus daubenmirei*, *Ivesia tweedyi*, *Synthyris platycarpa*  
Status survey

142. Caicco, Steven L. 1989. Second-year results of an investigation into the life history and population dynamics of *Calochortus nitidus* Dougl. (Liliaceae). Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 11 p. plus appendices.

*Calochortus nitidus*  
Biology, management techniques

143. Caicco, S. L. 1990. Life history, population dynamics and conservation status of *Calochortus nitidus* (Liliaceae). Northwest Science. 64(2): 108. Abstract No. 71.

*Calochortus nitidus*  
Biology, monitoring

144. Caicco, Steven L. 1992. *Calochortus nitidus* species management guide. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 32 p. plus appendices.

*Calochortus nitidus*  
Management techniques

145. Caicco, Steven; Civille, Janie; Henderson, Douglass. 1983. Noteworthy collections: Idaho. Madroño. 30: 64.

*Astragalus leptaleus*  
Distribution

146. Caicco, Steven; Henderson, Douglass M. 1981. A survey of the rare plants of the Challis National Forest Lost River District - west side, with recommendations and management implications. Unpublished report on file at: University of Idaho, University of Idaho Herbarium, Moscow, ID. 45 p. plus supplement.

Multispecies  
Distribution, status survey

147. Campbell, Craig A.; Reznicek, A. A. 1977. New vascular plant records on the Pelee and East Sister Islands, Essex County, Ontario. Canadian Field-Naturalist. 91(4): 384-390.

*Thalictrum dasycarpum*  
Distribution

148. Cantell, Elaine Baxter. 1989. *Elaeagnus commutata*. American Nurseryman. 169(6): 166.

*Elaeagnus commutata*  
Biology

149. Carlson, Thomas M.; Wagner, W. H., Jr. 1982. The North American distribution of the genus *Dryopteris*. Contributions from the University of Michigan Herbarium. 15: 141-162.

*Dryopteris cristata*  
Distribution

150. Carr, Robert L. 1974. A new species of *Hackelia* (Boraginaceae) from Oregon. *Madroño*. 22: 390-392.

*Hackelia ophiobia*  
Taxonomy

151. Caruso, Laura B. 1988. Biological evaluation for *Calamagrostis tweedyi* in the Dry Meadows Planning Area and the Jungle Ridge Timber Sale on the Naches Ranger District of the Wenatchee National Forest. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 9 p.

*Calamagrostis tweedyi*  
Distribution

152. Castellano, Michael A.; Trappe, James M. 1985. Mycorrhizal associations of five species of Monotropoideae in Oregon. *Mycologia*. 77(3): 499-502.

*Allotropa virgata*  
Biology

153. Catling, P. M.; Freedman, B.; Stewart, C.; Kerekes, J. J.; Lefkovitch, L. P. 1986. Aquatic plants of acid lakes in Kejimkujik National Park, Nova Scotia: floristic composition and relation to water chemistry. *Canadian Journal of Botany*. 64(4): 724-729.

*Scirpus subterminalis*  
Community ecology, distribution

154. Chadde, Steve. 1989. Survey of plants of limited distribution, Kootenai National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 82 p.

*Cypripedium calceolus parviflorum*, *Scirpus cyperinus*, *Scirpus subterminalis*, *Silene spaldingii*  
Status survey

155. Chambers, Jeanne C.; MacMahon, James A.; Brown, Ray W. 1990. Alpine seedling establishment: the influence of disturbance type. *Ecology*. 71(4): 1323-1341.

*Draba incerta*  
Biology

156. Chambers, Kenton L. 1973. Floristic relationships of Onion Peak with Saddle Mountain, Clatsop County, Oregon. *Madroño*. 22(3): 105-114.

*Blechnum spicant*, *Maianthemum dilatatum*, *Polypodium glycyrrhiza*, *Tellima grandiflora*, *Trientalis latifolia*  
Distribution

157. Charlesworth, Nancy; Atwood, Duane. 1987. Status report on *Hackelia davisii*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Hackelia davisii*  
Status survey

158. Cholewa, Anita; Henderson, Douglass. 1983. Noteworthy collections: Idaho. *Madroño*. 30: 63-64.

*Astragalus kentrophyta jessiae*, *Gilia polycladon*, *Lesquerella kingii cobrensis*  
Distribution

159. Cholewa, Anita; Henderson, Douglass M. 1984. A survey and assessment of the rare vascular plants of the Idaho National Engineering Laboratory. Idaho Falls, ID: U.S. Department of Energy, Radiological and Environmental Sciences Laboratory; DOE/ID-12100. 45 p.

Multispecies  
Status survey

160. Cholewa, Anita F.; Henderson, Douglass M. 1982. A survey and assessment of the rare vascular plants of the Idaho National Engineering Laboratory site. Unpublished report on file at: University of Idaho, University of Idaho Herbarium, Moscow, ID. 38 p.

*Astragalus ceramicus apus*, *Astragalus gilviflorus*, *Astragalus kentrophyta jessiae*, *Coryphantha missouriensis*, *Gilia polycladon*, *Gymnosteris nudicaulis*, *Lesquerella kingii cobrensis*, *Oxytheca dendroidea*  
Status survey

161. Cholewa, Anita F.; Henderson, Douglass M. 1984. A survey and assessment of the rare vascular plants of the Idaho National Engineering Laboratory site. Great Basin Naturalist. 44(1): 140-144.

Multispecies  
Status survey

162. Cholewa, Anita F.; Henderson, Douglass M. 1984. *Primula alcalina* (Primulaceae): a new species from Idaho. *Brittonia*. 36(1): 59-62.

*Primula alcalina*  
Distribution, taxonomy

163. Chuang, Tsan-Iang; Hsieh, Winston C.; Wilken, Dieter H. 1978. Contribution of pollen morphology to systematics of *Collomia* (Polemoniaceae). *American Journal of Botany*. 65(4): 450-458.

*Collomia debilis camporum*  
Taxonomy

164. Churchill, Steven P.; Kaul, Robert B.; Sutherland, David M. 1974-1976. New records of native and introduced plants from Nebraska. *Transactions of the Nebraska Academy of Sciences*. 3: 32-36.

*Corallorrhiza wisteriana*  
Distribution

165. Churchill, Steven P.; Kaul, Robert B.; Sutherland, David M. 1976. New and noteworthy plant records for Nebraska. *The Southwestern Naturalist*. 21(3): 403-405.

*Corallorrhiza wisteriana*  
Distribution

166. Clausen, Robert T., ed. 1975. *Sedum* of North America north of the Mexican plateau. Ithaca, NY: Cornell University Press. 784 p.

*Sedum borschii*, *Sedum rupicolum*  
Distribution, taxonomy

167. Clement, Stephen L.; Miller, Donald H. 1982. Insect seed predation on *Astragalus bisulcatus* (Hook.) Gray (Leguminosae). *Pan-Pacific Entomologist*. 58(1): 38-41.

*Astragalus bisulcatus*  
Biology

168. Cody, William J. 1975. *Scheuchzeria palustris* L. (Scheuchzeriaceae) in northwestern North America. *The Canadian Field-Naturalist*. 89: 69-71.

*Scheuchzeria palustris*  
Distribution

169. Cody, William J.; Talbot, Stephen S. 1978. Vascular plant range extensions to the Heart Lake area, District of Mackenzie, Northwest

Territories. *The Canadian Field-Naturalist*. 92(2): 137-143.

*Rhynchospora alba*  
Distribution

170. Coleman, R. W.; Welsh, S. L. 1981. Plants from northern Manitoba, Canada and their substrates. In: *Proceedings of the Iowa Academy of Science: 93rd meeting of the Iowa Academy of Science*; 1981 April; Cedar City, IA: 13. Abstract.

*Ledum groenlandicum*, *Scirpus cyperinus*  
Distribution

171. Coleman, Ronald A. 1986. The habitat and variation of *Epipactis gigantea* in the Santa Monica Mountains. *The Orchid Digest*. 50(2): 66-68.

*Epipactis gigantea*  
Distribution

172. Coleman, Ronald A. 1987. *Epipactis gigantea* revisited. *The Orchid Digest*. 51(4): 203-204.

*Epipactis gigantea*  
Distribution

173. Comeau, Paul L.; Beil, Charles E. 1984. Raised bogs on the Cape Breton Plateau. *Proceedings of the Nova Scotian Institute of Science*. 34(1): 41-81.

*Ledum groenlandicum*, *Rhynchospora alba*,  
*Vaccinium oxycoccus*  
Community ecology

174. Connolly, B. J.; Grigal, D. F. 1983. Biomass estimation equations for wetland tall shrubs. *Min. For. Res. Notes* 284. *Miscellaneous Journal Series Paper* 1866. St. Paul, MN: University of Minnesota Agricultural Experiment Station. Not paged.

*Betula pumila glandulifera*  
Community ecology

175. Connolly-McCarthy, B. J.; Grigal, D. F. 1985. Biomass of shrub-dominated wetlands in Minnesota. *Forest Science*. 31(4): 1011-1017.

*Betula pumila glandulifera*  
Community ecology

176. Constance, Lincoln; Rollins, Reed. 1936. New or otherwise noteworthy northwestern plants - II: two new species from the Grand Canyon of the Snake River. *Proceedings of*

the Biological Society of Washington. 49: 147-150.

*Mirabilis macfarlanei*  
Taxonomy

177. Cooper, David J. 1991. Additions to the peatland flora of the southern Rocky Mountains: habitat description and water chemistry. *Madroño*. 38(2): 139-143.

*Carex livida, Kobresia simpliciuscula, Salix candida*  
Community ecology, distribution

178. Cooper, Stephen V.; Neiman, Kenneth E.; Steele, Robert; Roberts, David W. 1987. Forest habitat types of northern Idaho: a second approximation. *Gen. Tech. Rep. INT-236*. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 135 p.

*Synthyris platycarpa*  
Community ecology

179. Cooperrider, Tom S. 1978. Distribution patterns in Ohio Scrophulariaceae. *Ohio Journal of Science*. 78(Suppl.): 15. Conference papers.

*Mimulus ringens*  
Distribution

180. Copeland, Herbert F. 1938. The structure of *Allotropa*. *Madroño*. 4: 137-153.

*Allotropa virgata*  
Biology

181. Corns, I. G. W. 1983. Forest community types of west-central Alberta in relation to selected environmental factors. *Canadian Journal of Botany*. 13(5): 995-1010.

*Ledum groenlandicum, Picea glauca, Rubus pubescens*  
Community ecology

182. Correll, Donovan S. 1943. The genus *Habenaria* in western North America. *Leaflets of Western Botany*. 3(2): 233-256.

*Habenaria obtusata*  
Distribution, taxonomy

183. Cousens, Michael I. 1981. *Blechnum spicant*: habitat and vigor of optimal, marginal, and disjunct populations, and field observations

of gametophytes. *Botanical Gazette*. 142(2): 251-258.

*Blechnum spicant*  
Biology, community ecology

184. Cousens, Michael Irwin. 1973. Reproductive biology and autecology of *Blechnum spicant*. *Dissertation Abstracts International*. 34/08-B: 3672.

*Blechnum spicant*  
Biology, community ecology

185. Cousens, Michael Irwin. 1973. Reproductive biology and autecology of *Blechnum spicant*. Pullman, WA: Washington State University. 140 p. Dissertation.

*Blechnum spicant*  
Biology, genetics

186. Cranston, D. M.; Valentine, D. H. 1983. Transplant experiments on rare plant species from Upper Teesdale. *Biological Conservation*. 26(2): 175-191.

*Carex paupercula, Kobresia simpliciuscula*  
Biology, management techniques

187. Crawford, Rex C. 1980. Ecological investigations and management implications of six northern Idaho endemic plants on the proposed endangered and threatened lists. Moscow, ID: University of Idaho. 200 p. Thesis.

*Cardamine constancei, Corydalis caseana hastata, Dasynotus daubenmirei, Phlox idahonis, Synthyris platycarpa, Waldsteinia idahoensis*  
Community ecology

188. Crawford, Rex Charles. 1983. Pacific yew community ecology in north-central Idaho with implications to forest land management. Moscow, ID: University of Idaho. 109 p. Dissertation.

*Cypripedium fasciculatum, Synthyris platycarpa, Waldsteinia idahoensis*  
Community ecology

189. Crins, William J.; Ball, Peter W. 1989. Taxonomy of the *Carex flava* complex (Cyperaceae) in North America and northern Eurasia. II. Taxonomic treatment. *Canadian Journal of Botany*. 67: 1048-1065.

*Carex flava*  
Taxonomy

190. Cronquist, Arthur. 1942. A new *Erigeron* from Idaho. Leaflets of Western Botany. 3(7): 167-168.

*Erigeron engelmannii davisii*  
Distribution, taxonomy

191. Cronquist, Arthur. 1947. Revision of the North American species of *Erigeron*, north of Mexico. Brittonia. 6(2): 121-302.

*Erigeron humilis, Erigeron latus*  
Taxonomy

192. Cronquist, Arthur. 1950. Notes on the Compositae of the Northwestern United States. Leaflets of Western Botany. 6(2): 41-56.

*Antennaria arcuata*  
Distribution, taxonomy

193. Cronquist, Arthur; Holmgren, Arthur H.; Holmgren, Noel H.; Reveal, James. 1972. Intermountain flora. Vol. 1. New York: Hafner Publishing Company, Inc. 270 p.

Multispecies  
Distribution, taxonomy

194. Cronquist, Arthur; Holmgren, Arthur H.; Holmgren, Noel H.; Reveal, James; Holmgren, Patricia K. 1977. Intermountain flora. Vol. 6. Bronx, NY: The New York Botanical Garden. 584 p.

Multispecies  
Distribution, taxonomy

195. Cronquist, Arthur; Holmgren, Arthur H.; Holmgren, Noel H.; Reveal, James; Holmgren, Patricia K. 1984. Intermountain flora. Vol. 4. Bronx, NY: The New York Botanical Garden. 573 p.

Multispecies  
Distribution, taxonomy

196. Crow, Garrett E. 1982. New England's rare, threatened, and endangered plants. Prepared for: U.S. Department of the Interior, Fish and Wildlife Service, Northeast Region, in cooperation with the New Hampshire Agricultural Experiment Station, University of New Hampshire. Washington, DC: U.S. Government Printing Office. 129 p.

*Asplenium viride, Carex flava, Mimulus ringens*  
Distribution

197. Crum, Glenn H. 1972. Flora of a sand prairie in Black Hawk County, Iowa. Proceedings of the Iowa Academy of Science. 78(3-4): 81-87.

*Carex buxbaumii, Carex leptalea, Hypericum majus, Scirpus cyperinus*  
Distribution

198. Crum, Howard. 1988. A focus on peatlands and peat mosses. Ann Arbor, MI: The University of Michigan Press. 306 p.

Multispecies  
Community ecology

199. Currah, R. S.; Smreciu, E. A.; Hambleton, S. 1990. Mycorrhizae and mycorrhizal fungi of boreal species of *Platanthera* and *Coeloglossum* (Orchidaceae). Canadian Journal of Botany. 68: 1171-1181.

*Habenaria obtusata*  
Biology

200. Dabrowska, Lidia. 1986. Floristic changes occurring in mountain grassland communities after drainage of the area. Acta Agraria et Silvestria. 25: 29-40.

*Carex flava*  
Community ecology

201. Damman, Antoni W. H.; French, Thomas W. 1987. The ecology of peat bogs of the glaciated Northeastern United States: a community profile. Biological Report 85(7.16). Washington, DC: U.S. Department of the Interior, U.S. Fish and Wildlife Service. 100 p.

*Carex paupercula, Gaultheria hispida, Ledum groenlandicum, Rhyncospora alba, Trientalis arctica, Vaccinium oxycoccus*  
Community ecology

202. Daniel, Jim; Rowland, Doug. 1974. Some cacti and other succulents of the American Southwest. No. 4. *Pediocactus simpsonii* (Engelm.) Br. et R. National Cactus and Succulent Journal. 29(3): 78.

*Pediocactus simpsonii robustior*  
Distribution

203. Danielsson, Birger. 1979. Floran i Frodinge socken. Svensk Botanisk Tidskrift. 73(3): 225-244.

Multispecies  
Distribution

204. Daubenmire, R. 1970. Steppe vegetation of Washington. Tech. Bull. 62. Pullman, WA: Washington State University, Washington Agricultural Experiment Station, College of Agriculture. 131 p.

*Eriogonum douglasii douglasii*, *Pediocactus simpsonii robustior*, *Silene spaldingii*  
Community ecology

205. Daubenmire, R.; Daubenmire, Jean B. 1968. Forest vegetation of eastern Washington and northern Idaho. Tech. Bull. 60. Pullman, WA: Washington State University, Washington Agricultural Experiment Station, College of Agriculture. 104 p.

*Synthyris platycarpa*  
Community ecology

206. Davidson, Roy M., Jr.; Byther, Ralph S. 1979. Dogwood anthracnose. EM 4421. Pullman, WA: Washington State University Cooperative Extension Service, College of Agriculture. 2 p.

*Cornus nuttallii*  
Biology

207. Davidson, Roy M., Jr.; Byther, Ralph S. 1989. Dogwood anthracnose. Extension Bulletin 0972. Pullman, WA: Washington State University Cooperative Extension, College of Agriculture and Home Economics. 2 p.

*Cornus nuttallii*  
Biology

208. Davis, Owen K. 1982. Plant list for the Albion Mountains, Cassia County, Idaho. Journal of the Idaho Academy of Science. 18(1): 1-12.

*Machaeranthera laetevirens*  
Distribution

209. Davis, Ray J. 1952. Flora of Idaho. Provo, UT: Brigham Young University Press. 836 p.

Multispecies  
Distribution, taxonomy

210. Davis, Ray J. 1966. The North American perennial species of *Claytonia*. *Brittonia*. 18: 285-303.

*Claytonia lanceolata flava*  
Distribution, taxonomy

211. Davis, William S. 1987. Reproductive biology in *Malacothrix* (Asteraceae). *American Journal of Botany*. 74(5): 731. Abstract.

*Malacothrix glabrata*  
Biology

212. De Vries, B. 1977. Further notes on the vascular flora of the Hasbala Lake region, Saskatchewan. *Blue Jay*. 35(2): 74-76.

*Arnica alpina tomentosa*  
Distribution

213. Dean, Milton L.; Chambers, Kenton L. 1983. Chromosome numbers and evolutionary patterns in the *Aster occidentalis* (Asteraceae) polyploid complex of western North America. *Brittonia*. 35(3): 189-196.

*Aster jessicae*  
Genetics, taxonomy

214. Dean, Milton Lee. 1966. A biosystematic study in the genus *Aster*, section *Aster*, in western North America. Corvallis, OR: Oregon State University. 209 p. Dissertation.

*Aster jessicae*  
Distribution, taxonomy

215. DeBolt, Ann. 1989. An illustrated guide to the sensitive plants of Burley District Bureau of Land Management. Tech. Bull. 89-3. Unpublished report on file at: U.S. Department of the Interior, Bureau of Land Management, Idaho State Office, Boise, ID. Not pagged.

Multispecies  
Distribution

216. DeBolt, Ann; Doremus, John. 1989. 1988 inventory and status report for *Lepidium davisii*. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Boise District. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not pagged.

*Lepidium davisii*  
Monitoring

217. DeBolt, Ann; Doremus, John. 1990. 1989 monitoring and inventory results for *Lepidium davisii*. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Boise District, Boise, ID. Unpublished report on file at: Idaho Department of Fish and

Game, Conservation Data Center, Boise, ID. Not paged.

*Lepidium davisii*  
Monitoring

218. DeBolt, Ann; Rosentreter, Roger. 1988. An illustrated guide to the sensitive plants of Boise District Bureau of Land Management, 1988. Tech. Bull. 88-4. Unpublished report on file at: U.S. Department of the Interior, Bureau of Land Management, Idaho State Office, Boise, ID. Not paged.

Multispecies  
Distribution

219. Densmore, R. V.; Holmes, K. W. 1987. Assisted revegetation in Denali National Park, Alaska, U.S.A. Arctic and Alpine Research. 19(4): 544-548.

*Astragalus eucosmus*  
Management techniques

220. Deryagin, G. V.; Perel'tsvaig, Yu. M. 1979. Polykaryogram chromosome analysis. Biology Bulletin of the Academy of Sciences of the U.S.S.R. 6(1): 34-39.

*Ranunculus pygmaeus*  
Genetics, taxonomy

221. Dieffenbach, Thomas. 1977. Plant survey of the Caribou Mountain area. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 60 p.

*Juncus hallii*  
Distribution

222. Doremus, John; DeBolt, Ann. 1987. The distribution, monitoring and observed impacts on *Lepidium davisii* in the Kuna Planning Unit. Unpublished report on file at: U.S. Department of the Interior, Bureau of Land Management, Boise District Office, Boise, ID. 11 p.

*Lepidium davisii*  
Monitoring

223. Dorn, Robert D. 1975. A systematic study of *Salix* section *Cordatae* in North America. Canadian Journal of Botany. 53(15): 1491-1522.

*Salix farriae*  
Taxonomy

224. Dorn, Robert D. 1988. Vascular plants of Wyoming. Cheyenne, WY: Mountain West Publishing. 340 p.

Multispecies  
Distribution, taxonomy

225. Dorn, Robert D. 1989. Vascular plants. In: Clark, Tim W.; Harvey, Ann H.; Dorn, Robert D.; Genter, David L.; Groves, Craig, eds. Rare, sensitive, and threatened species of the Greater Yellowstone Ecosystem. Jackson, WY: Northern Rockies Conservation Cooperative, Montana Natural Heritage Program, The Nature Conservancy, and Mountain West Environmental Services. 153 p.

Multispecies  
Distribution

226. Douglas, George W.; Ratcliffe, Marilyn J. 1981. Some rare plant collections, including three new records for Canada, from Cathedral Provincial Park, southern British Columbia. Canadian Journal of Botany. 59(8): 1537-1538.

*Arnica alpina tomentosa, Parnassia kotzebuei*  
kotzebuei  
Distribution

227. Douglas, George W.; Ruyle-Douglas, Gloria. 1978. Nomenclatural changes in the Asteraceae of British Columbia. I. Senecioneae. Canadian Journal of Botany. 56: 1710-1711.

*Arnica alpina tomentosa*  
Taxonomy

228. Douglass, Richard; Snyder-Douglass, Kristin; Neilsen, Kezia. 1978. A preliminary search for rare and endangered plant species in the Targhee National Forest during 1978. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Antennaria arcuata, Astragalus vexilliflexus*  
*nubilus, Claytonia lanceolata flava, Oenothera*  
*psammophila*  
Status survey

229. Doyle, G. J. 1985. A woodland habitat for *Botrychium lunaria* (L.) Swartz in Ireland. Irish Naturalist Journal. 21(9): 403-406.

*Botrychium lunaria*  
Distribution

230. Doyle, G. J. 1987. *Botrychium lunaria* L. is not always capricious in its occurrence in Ireland. *Irish Naturalist Journal*. 22(8): 336-338.

*Botrychium lunaria*  
Distribution

231. Doyle, G. J.; Foss, P. J. 1986. *Vaccinium oxycoccus* growing in the Blanket Bog area of West Mayo. *Irish Naturalist Journal*. 22(3): 101-104.

*Rhynchospora alba, Vaccinium oxycoccus*  
Community ecology

232. Doyle, Kathleen M.; Fahey, Timothy J.; Paratley, Robert D. 1987. Subalpine heathlands of the Mahoosuc Range, Maine. *Bulletin of the Torrey Botanical Club*. 114(4): 429-436.

*Ledum groenlandicum, Vaccinium oxycoccus*  
Community ecology

233. Duckett, J. G. 1979. An experimental study of the reproductive biology and hybridization in the European and North American species of *Equisetum*. *Botanical Journal of the Linnean Society*. 79(3): 205-229.

*Equisetum scirpoides*  
Biology

234. Dugle, Janet R. 1966. A taxonomic study of western Canadian species in the genus *Betula*. *Canadian Journal of Botany*. 44: 929-1007.

*Betula pumila glandulifera*  
Genetics, taxonomy

235. Dye, A. J.; Moir, W. H. 1977. Spruce-fir forest at its southern distribution in the Rocky Mountains, New Mexico. *American Midland Naturalist*. 97(1): 133-146.

*Ribes wolfii*  
Community ecology

236. Dyrness, C. T. 1969. Early plant succession following logging and slash burning in *Pseudotsuga* forests in Oregon. In: XI International Botanical Congress and the International Wood Chemistry Symposium: Seattle, WA. [Place of publication unknown]: International Botanical Congress: 50. Abstract.

*Trientalis latifolia*  
Community ecology

237. Dyrness, C. T.; Norum, Rodney A. 1983. The effects of experimental fires on black spruce forest floors in interior Alaska. *Canadian Journal of Forest Research*. 13(5): 879-893.

*Ledum groenlandicum*  
Community ecology

238. Eastman, Donald C. 1990. Rare and endangered plants of Oregon. Wilsonville, OR: Beautiful America Publishing Company. 194 p.

Multispecies  
Distribution

239. Ebersole, James L. 1987. Short-term vegetation recovery at an Alaskan arctic coastal plain site. *Arctic and Alpine Research*. 19(4): 442-450.

*Carex chordorrhiza, Salix glauca, Saxifraga cernua*  
Community ecology

240. Eddy, Thomas L. 1988. A vascular flora of the Swaledale Railroad Prairie in north central Iowa. *Journal of the Iowa Academy of Science*. 95(2): 47-54.

*Carex buxbaumii, Carex comosa, Muhlenbergia racemosa, Salix pedicellaris, Thalictrum dasycarpum*  
Distribution

241. Edwards, M. E.; Armbruster, W. S. 1989. A tundra-steppe transition on Kathul Mountain, Alaska, U.S.A. *Arctic and Alpine Research*. 21(3): 296-304.

*Arnica alpina tomentosa, Gentiana propinqua*  
Community ecology

242. Eidemiller, Betty J. 1977. Bennett Hills Environmental Impact Study Area, threatened and endangered plant inventory report. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Shoshone District, Shoshone, ID. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 56 p.

*Antennaria arcuata, Astragalus atratus inexpectus, Astragalus purshii ophiogenes, Erigeron latus, Haplopappus insecticurris, Lepidium davisii*  
Status survey

243. Eidemiller, Betty J. 1977. Endangered and threatened plant inventory, Sun Valley ES area. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Shoshone District, Shoshone, ID.

Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 33 p.

Multispecies Status survey

244. Elling, Arthur E. 1985. Managing vegetation on peat-sand filter beds for wastewater disposal. Res. Note NC-333. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Experiment Station. 3 p.

*Scirpus cyperinus*  
Management techniques

245. Ertter, Barbara. 1980. A revision of the genus *Oxytheca* Nutt. (Polygonaceae). *Brittonia*. 32(1): 70-102.

*Oxytheca dendroidea*  
Distribution, taxonomy

246. Ertter, Barbara. 1981. Notes on *Goodmania* and *Oxytheca* (Polygonaceae: Eriogonoideae). *Brittonia*. 33(1): 37-38.

*Oxytheca dendroidea*  
Taxonomy

247. Ertter, Barbara. 1986. The *Juncus triformis* complex. Memoirs of the New York Botanical Garden, Vol. 39. Bronx, NY: The New York Botanical Garden. 90 p.

*Juncus hemiendytus abjectus*, *Juncus tiehmii*  
Distribution, taxonomy

248. Evert, Erwin F. 1985. Rare plants: Teton-Darby Canyon area. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 20 p.

*Asplenium viride*, *Cryptogramma stelleri*  
Status survey

249. Evert, Erwin F.; Dorn, Robert D.; Hartman, Ronald L.; Lichvar, Robert W. 1986. Note-worthy collections: Wyoming. *Madroño*. 33: 313-315.

*Carex livida*, *Kobresia simpliciuscula*  
Distribution

250. Evert, Erwin F.; Hartman, Ronald L. 1984. Additions to the vascular flora of Wyoming. *The Great Basin Naturalist*. 44(3): 482-483.

*Erigeron humilis*  
Distribution

251. Famous, N. C.; Campbell, C. S. 1985. *Lomatogonium rotatum*. In: The Nature Conservancy Element Stewardship Abstract [Data base]. Boston, MA: The Nature Conservancy, Eastern Regional Office.

*Lomatogonium rotatum*  
Management techniques, status survey

252. Famous, Norman C.; Campbell, Christopher S. 1984. *Lomatogonium rotatum* (Gentianaceae) and *Primula laurentiana* (Primulaceae) in Maine: new localities and general distributions. *Rhodora*. 86: 425-429.

*Lomatogonium rotatum*  
Distribution

253. Farrar, Donald R.; Johnson-Groh, Cindy L. 1990. Subterranean sporophytic gemmae in moonwort ferns, *Botrychium* subgenus *Botrychium*. *American Journal of Botany*. 77(9): 1168-1175.

*Botrychium lanceolatum lanceolatum*, *Botrychium minganense*, *Botrychium simplex*  
Biology

254. Fassett, Norman C. 1935. Notes from the Herbarium of the University of Wisconsin - XII. A study of *Streptopus*. *Rhodora*. 37: 88-113.

*Streptopus streptopoides brevipes*  
Taxonomy

255. Ferguson, Robert B. 1981. Use of Rosaceous shrubs for wildland plantings in the Intermountain west. In: Monsen, Stephen B.; Shaw, Nancy, compilers. Managing Intermountain rangelands—improvement of range and wildlife habitats: Proceedings; 1981 September 15-17; Twin Falls, ID; 1982 June 22-24; Elko, NV. Gen. Tech. Rep. INT-157. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station: 136-149.

*Peraphyllum ramosissimum*  
Community ecology, distribution

256. Fernald, M. L. 1906. The variations of *Carex paupercula*. *Rhodora*. 8: 73-77.

*Carex paupercula*  
Taxonomy

257. Fernald, M. L. 1919. Lithological factors limiting the ranges of *Pinus banksiana* and *Thuja occidentalis*. *Rhodora*. 21(243): 41-67.

*Carex chordorrhiza, Equisetum scirpoides*  
Distribution

258. Fernald, M. L. 1946. *Cypripedium calceolus* L. var. *parviflorum* (Salisb.), comb. nov. *Rhodora*. 48(565): 4.

*Cypripedium calceolus parviflorum*  
Distribution

259. Flower-Ellis, J. G. K. 1975. Growth in populations of *Andromeda polifolia* on a subarctic mire. In: Wielgolaski, F. E., ed. Ecological Studies, Vol. 16 and 17. Fennoscandian tundra ecosystems, Part 1. Plants and microorganisms. Part 2. Animals and systems analysis. New York: Springer-Verlag: 129-134.

*Andromeda polifolia*  
Biology

260. Foster, David R. 1985. Vegetation development following fire in *Picea mariana* (black spruce)-*Pleurozium* forests of south-eastern Labrador, Canada. *Journal of Ecology*. 73(2): 517-534.

*Gaultheria hispida, Ledum groenlandicum*  
Community ecology

261. Fowlie, J. A. 1988. *Cypripedium fasciculatum* on serpentine landslides of northwestern California. *The Orchid Digest*. 52(3): 137-139.

*Cypripedium fasciculatum, Euphyton austiniæ*  
Community ecology, distribution

262. Fox, Lawton; Moseley, Robert K. 1991. Taxonomic investigation of the genus *Draba* (Brassicaceae) in the White Cloud Peaks and Boulder Mountains, Idaho. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 11 p. plus appendices.

*Draba apiculata, Draba incerta*  
Distribution, taxonomy

263. Franklin, M. A. "Ben". 1990. Report for 1989 Challenge Cost share project Wasatch-Cache National Forest. Target species: *Erigeron cronequistii* (Cronquist daisy), *Musineon lineare* (Rydborg musineon), *Penstemon cyananthus* var. *compactus* (Cache beardtonque). Unpublished Utah Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

*Musineon lineare, Penstemon compactus*  
Status survey

264. Fredskild, B. 1984. Distribution and occurrence of Onagraceae in Greenland. *Nordic Journal of Botany*. 4(4): 475-480.

*Epilobium palustre*  
Distribution

265. Fulbright, Timothy E.; Redente, Edward F.; Hargis, Norman E. 1982. Growing Colorado plants from seed: a state of the art. Volume II: grasses and grasslike plants. Washington, DC: U.S. Department of the Interior, Fish and Wildlife Service; FWS/OBS-82/29. 113 p.

*Bouteloua gracilis, Cyperus rivularis, Muhlenbergia racemosa*  
Biology

266. Fulbright, Timothy E.; Redente, Edward F.; Wilson, A. M. 1985. Germination requirements of green needlegrass (*Stipa viridula* Trin.). *Journal of Range Management*. 36(3): 390-394.

*Stipa viridula*  
Biology

267. Fulbright, Timothy E.; Wilson, A. M.; Redente, E. F. 1984. Effects of temporary dehydration on growth of green needlegrass (*Stipa viridula* Trin.) seedlings. *Journal of Range Management*. 37(5): 462-464.

*Stipa viridula*  
Biology

268. Fulbright, Timothy E.; Wilson, A. M.; Redente, Edward F. 1985. Green needlegrass seedling morphology in relation to planting depth. *Journal of Range Management*. 38(3): 266-270.

*Stipa viridula*  
Biology

269. Fuller, Albert M. 1933. Studies on the flora of Wisconsin. Part I. The orchids; Orchidaceae. *Bulletin of the Public Museum of the City of Milwaukee*. 14(1): 1-284.

*Cypripedium calceolus parviflorum, Habenaria obtusata*  
Distribution, taxonomy

270. Fung, Martin Y. P. 1984. Silverberry seed pre-treatment and germination techniques. *Tree Planters' Notes*. 35(3): 32-33.

*Elaeagnus commutata*  
Biology

271. Fung, Martin Y. P. 1984. Vegetative propagation of native shrubs in the Fort McMurray area, Alberta, Canada. *Plant Propagator*. 30(4): 7-9.

*Elaeagnus commutata*  
Biology

272. Funk, A.; Parker, A. K. 1972. A canker of western flowering dogwood caused by *Sclerophoma ambigua* n. sp. *Canadian Journal of Botany*. 50: 1623-1625.

*Cornus nuttallii*  
Biology

273. Furlow, John J. 1984. The evolution and classification of the *Betula nana* complex. In: Abstracts: Annual meeting of the Botanical Society of America; 1984 Aug. 5-9; Fort Collins, CO. *American Journal of Botany*. (5 Part 2): 166. Abstract.

*Betula pumila glandulifera*  
Taxonomy

274. Furman, Thomas E.; Trappe, James M. 1971. Phylogeny and ecology of mycotrophic achlorophyllous angiosperms. *The Quarterly Review of Biology*. 46: 219-225.

*Allotropa virgata*  
Biology

275. Gamon, John. 1991. Report on the status in Washington of *Silene spaldingii* Wats. Prepared for: Washington State Department of Natural Resources. Unpublished report prepared by the Washington Natural Heritage Program on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 53 p.

*Silene spaldingii*  
Status survey

276. Gamon, John. 1991. Report on the status of *Haplopappus latifolius* (Greene) St. John. Prepared for: Idaho Department of Parks and Recreation and the Washington Department of Natural Resources. Unpublished report prepared by the Washington Natural Heritage Program on file at: Idaho

Department of Fish and Game, Conservation Data Center, Boise, ID. 45 p. plus appendices.

*Haplopappus latifolius*  
Status survey

277. Garten, Charles T.; Gentry, John B.; Sharitz, Rebecca R. 1977. An analysis of elemental concentrations in vegetation bordering a southeastern United States coastal plain stream. *Ecology*. 58(5): 979-992.

*Scirpus cyperinus*  
Community ecology

278. Gentry, Johnnie L.; Carr, Robert L. 1976. A revision of the genus *Hackelia* (Boraginaceae) in North America, north of Mexico. *Memoirs of the New York Botanical Garden*. 26(1): 121-227.

*Hackelia davisii*  
Distribution, taxonomy

279. Gilkey, Helen M. 1956. A new *Trifolium* from Oregon. *Madroño*. 13: 167-169.

*Trifolium owyheense*  
Distribution, taxonomy

280. Gillespie, James P. 1962. A theory of relationships in the *Lycopodium inundatum* complex. *American Fern Journal*. 52: 19-26.

*Lycopodium inundatum*  
Taxonomy

281. Gillett, John M. 1957. A revision of the North American species of *Gentianella* Moench. *Annals of the Missouri Botanical Garden*. 44(3): 195-269.

*Gentiana propinqua*, *Gentiana tenella*  
Distribution, taxonomy

282. Gillett, John M. 1969. Taxonomy of *Trifolium* (Leguminosae). II. The *T. longipes* complex in North America. *Canadian Journal of Botany*. 47(1): 93-113.

*Trifolium longipes multipedunculatum*  
Taxonomy

283. Gillett, John M. 1972. Taxonomy of *Trifolium* (Leguminosae). IV. The American species of section *Lupinaster* (Adanson) Seringe. *Canadian Journal of Botany*. 50(10): 1975-2007.

*Trifolium plumosum amplifolium*  
Taxonomy

284. Gillett, John M.; Robson, Norman K. B. 1981. The St. John's-worts of Canada (Guttiferae). Publ. Bot. 11. Ottawa: National Museums of Canada, National Museum of Natural Sciences. 40 p.

*Hypericum majus*  
Distribution, taxonomy

285. Glad, Judith B. 1975. Taxonomy and ecology of *Mentzelia mollis* Peck and related species. Corvallis, OR: Oregon State University. 84 p. Thesis.

*Mentzelia mollis*  
Biology, community ecology, distribution, taxonomy

286. Glad, Judith B. 1976. Taxonomy of *Mentzelia mollis* and allied species (Loasaceae). *Madroño*. 23(5): 283-292.

*Mentzelia mollis*  
Taxonomy

287. Glaser, Paul H. 1987. The ecology of patterned boreal peatlands of northern Minnesota: a community profile. Biological Report 85(7.14). Washington, DC: U.S. Department of the Interior, U.S. Fish and Wildlife Service. 98 p.

Multispecies  
Community ecology

288. Goodman, George J. 1974. Notes on Oklahoma plants. Proceedings of the Oklahoma Academy of Science. 54: 98-99.

*Astragalus bisulcatus*  
Distribution

289. Goodrich, Sherel; Henderson, Douglass; Cholewa, Anita. 1983. Noteworthy collections: Idaho. *Madroño*. 30: 63.

*Astragalus gilviflorus, Hackelia davisii*  
Distribution

290. Gorham, J. Richard. 1976. Orchid pollination by *Aedes* mosquitoes in Alaska. *American Midland Naturalist*. 95(1): 208-210.

*Habenaria obtusata*  
Biology

291. Graf, Phillip E. 1974. Successional stages of red alder in Bonner County, Idaho. Moscow, ID: University of Idaho. 146 p. Thesis.

Multispecies  
Community ecology

292. Grant, Adele Lewis. 1924. A monograph of the genus *Mimulus*. *Annals of the Missouri Botanical Garden*. 11(2-3): 99-374.

*Mimulus clivicola, Mimulus ringens, Mimulus washingtonensis ampliatus*  
Taxonomy

293. Green, John C.; Engstrom, Daniel R. 1975. A new locality for Braun's holly fern in Minnesota. *American Fern Journal*. 65(2): 61.

*Cryptogramma stelleri, Polystichum braunii*  
Distribution

294. Greenleaf, Jacqueline. 1980. Report on *Mentzelia mollis* Peck. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 14 p.

*Mentzelia mollis*  
Status survey

295. Greenleaf, Jacqueline. 1980. Report on *Penstemon elegantulus* Penn. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 13 p.

*Penstemon elegantulus*  
Status survey

296. Greenman, J. M. 1899. Northwestern plants, chiefly from Oregon. *Erythea*. 7(11): 115-120.

*Mimulus clivicola*  
Distribution, taxonomy

297. Griggs, F. Thomas; Dibble, Janet E. 1979. Status report, *Howellia aquatilis* Gray, for the Mendocino National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 11 p.

*Howellia aquatilis*  
Status survey

298. Grimes, James W. 1979. The flora of Leslie Gulch, Malheur County, Oregon. Logan, UT: Utah State University. 54 p. Thesis.

*Artemisia packardiae, Astragalus sterilis, Trifolium owyheense*  
Community ecology, distribution

299. Grimes, James W. 1984. Notes on the flora of Leslie Gulch, Malheur County, Oregon. *Madroño*. 31(2): 80-85.

*Artemisia packardiae, Astragalus sterilis, Trifolium owyheense*  
Community ecology, distribution

300. Grimes, James W. 1990. A revision of the New World species of Psoraleeae (Leguminosae: Papilionoideae). *Memoirs of the New York Botanical Garden*. Vol. 61. Bronx, NY: The New York Botanical Garden. 113 p.

*Psoralea physodes*  
Taxonomy

301. Guerrant, Edward O., Jr. 1991. Ex-situ conservation collection of Pacific dogwood (*Cornus nuttallii*) from Idaho, at the Berry Botanic Garden. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 6 p. plus appendix.

*Cornus nuttallii*  
Biology

302. Guppy, Geraldine A. 1977. Endangered plants in British Columbia. *Davidsonia*. 8(2): 24-30.

*Cornus nuttallii, Eburophyton austiniiae*  
Distribution

303. Gustafsson, Lena. 1988. Vegetation succession during the establishment of an energy forest on a *Sphagnum* peat bog in east-central Sweden. *Scandinavian Journal of Forest Research*. 3(3): 371-385.

*Andromeda polifolia, Epilobium palustre*  
Community ecology

304. Haag, Richard W. 1974. Nutrient limitations to plant production in two tundra communities. *Canadian Journal of Botany*. 52: 103-116.

*Andromeda polifolia, Carex chordorrhiza, Salix glauca*  
Community ecology

305. Habeck, James R., compiler. 1988. *Research Natural Areas in the Northern Region: a guidebook for scientists and educators*. Missoula, MT: U.S. Department of Agriculture, Forest Service, Northern Region, Intermountain Research Station. Not paged. Review Draft.

Multispecies  
Management techniques

306. Haeussler, S.; Coates, D.; Mather, J. 1990. *Autecology of common plants in British Columbia: a literature review*. FRDA Report 158. ISSN 0835 0752. Victoria, BC: Forestry Canada and British Columbia Ministry of Forest. 272 p.

*Rubus spectabilis*  
Community ecology

307. Hall, Harvey M. 1928. *The genus Haplopappus. A phylogenetic study in the Compositae*. Washington, DC: Carnegie Institution of Washington. 391 p.

*Haplopappus aberrans, Haplopappus bloomeri, Haplopappus hirtus sonchifolius, Haplopappus insecticruris, Haplopappus integrifolius, Haplopappus latifolius, Haplopappus radiatus, Haplopappus uniflorus howellii*  
Taxonomy

308. Hallsten, Gregory P.; Roberts, David W. 1988. Additions to the vascular flora of Bryce Canyon National Park, Utah. *Great Basin Naturalist*. 48(3): 352.

*Stipa pinetorum*  
Distribution

309. Halpern, Charles B. 1989. Early successional patterns of forest species: interactions of life history traits and disturbance. *Ecology*. 70(3): 704-720.

*Cornus nuttallii, Trientalis latifolia, Viola sempervirens*  
Community ecology

310. Hammer, U. Theodore; Heseltine, J. Michael. 1988. Aquatic macrophytes in saline lakes of the Canadian prairies. *Hydrobiologia*. 158: 101-116.

*Salicornia rubra*  
Distribution

311. Hansen, Kjeld; Madsen, Kaj Juhl. 1984. Vegetation changes of a Danish mire 1957-1981. *Nordic Journal of Botany*. 4(4): 481-490.

*Andromeda polifolia*  
Community ecology

312. Hansen, Paul; Boggs, Keith; Pfister, Robert; Joy, John. 1990. *Classification and management of riparian and wetland sites in central and eastern Montana*. Missoula, MT: University of Montana, Montana Forest and

Conservation Experiment Station, School of Forestry. 279 p. Draft Version 2.

*Carex buxbaumii, Salix candida*  
Community ecology

313. Hansen, Paul L.; Chadde, Steve W.; Pfister, Robert D. 1988. Riparian dominance types of Montana. *Misc. Publ.* 49. Missoula, MT: University of Montana, Montana Forest and Conservation Experiment Station, School of Forestry. 411 p.

*Carex buxbaumii, Carex flava, Carex leptalea, Salix farriae*  
Community ecology, distribution, management techniques

314. Hansen, Paul; Chadde, Steve; Pfister, Robert; Joy, John; Svoboda, Dan; Pierce, John; Myers, Lew. 1988. Riparian site types, habitat types, and community types of southwestern Montana. Missoula, MT: University of Montana, Montana Riparian Association, School of Forestry. 140 p. Draft Version 1.

*Carex buxbaumii, Salix candida*  
Community ecology

315. Harmon, Mark E.; Baker, Gail A.; Spycher, Gody; Greene, Sarah E. 1990. Leaf-litter decomposition in the *Picea / Tsuga* forests of Olympic National Park, Washington, U.S.A. *Forest Ecology and Management*. 31: 55-66.

*Cornus nuttallii*  
Community ecology

316. Harms, Vernon L. 1973. New record for the yellow lady's slipper orchid, *Cypripedium calceolus* L. subsp. *parviflorum* (Salisb.) Hult., from Alaska. *Rhodora*. 75(803): 491.

*Cypripedium calceolus parviflorum*  
Distribution

317. Harms, Vernon L.; Hudson, John H. 1978. Some vascular plants new to the flora of Saskatchewan. *Canadian Field-Naturalist*. 92(4): 389-391.

*Trientalis arctica*  
Distribution

318. Harrison, Bertrand F. 1981. Inventory of threatened and endangered plants in a portion of the Shoshone District in Butte, Blaine, Lincoln, Minidoka, and Power counties, Idaho. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Shoshone District, Shoshone, ID. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 28 p.

*Antennaria arcuata, Astragalus oniciformis*  
Status survey

319. Hartman, Ronald L. 1985. A new species of *Cymopterus* (Umbelliferae) from southern Idaho. *Brittonia*. 37(1): 102-105.

*Cymopterus davisii*  
Taxonomy

320. Hartman, Ronald L.; Constance, Lincoln. 1985. Two new species of *Cymopterus* (Umbelliferae) from western North America. *Brittonia*. 37: 88-95.

*Cymopterus douglassii*  
Distribution, taxonomy

321. Haufler, C. H.; Windham, M. D.; Lang, F. A.; Whitmore, S. A. 1990. *Polypodiaceae. Polypodium*. Unpublished manuscript [copy of manuscript for the Flora of North America project] on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 17 p.

*Polypodium glycyrrhiza*  
Taxonomy

322. Hauk, Warren D.; Haufler, Christopher H.; Gegenheimer, Peter A. 1989. Systematics of the genus *Botrychium*: the molecular story. In: *Abstracts: Joint meeting of L'Association Botanique du Canada and the Botanical Society of America; 1989 August 6-10; Toronto. American Journal of Botany*. 76(Suppl.): 204. Abstract.

*Botrychium minganense*  
Taxonomy

323. Hazlett, Donald L.; Hoffman, George R. 1975. Plant species distributional patterns in *Artemisia tridentata*- and *Artemisia cana*-dominated vegetation in western North Dakota. *Botanical Gazette*. 136(1): 72-77.

*Bouteloua gracilis, Stipa viridula*  
Community ecology

324. Hebda, Richard J. 1979. Size, productivity, and paleoecological implications of ericaceous pollen from Burns Bog, southern Fraser

River Delta, British Columbia. Canadian Journal of Botany. 57(16): 1712-1717.

*Andromeda polifolia, Ledum groenlandicum, Vaccinium oxycoccus*  
Distribution

325. Heidel, Bonnie. 1979. Endangered and threatened plants in the Northern Idaho BLM District. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 100 p.

Multispecies Status survey

326. Heidel, Bonnie. 1980. Report for *Silene spaldingii*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 11 p.

*Silene spaldingii*  
Status survey

327. Heinselman, M. L. 1970. Landscape evolution, peatland types, and the environment in Lake Agassiz Peatlands Natural Area, Minnesota. Ecological Monographs. 40(2): 235-261.

Multispecies  
Community ecology

328. Heller, A. A. 1904. Western species, new and old. II. Muhlenbergia. 1(4): 47-62.

*Europhyton austinia*, *Mimulus clivicola*  
Distribution

329. Henderson, Douglass. 1974. Rare and endangered plants of Idaho. In: Wellner, C. A.; Johnson, F. D., eds. Research Natural Area needs in Idaho: a first estimate: Report of the Natural Areas Workshop; 1974 April 24-25; Boise, ID. Moscow, ID: College of Forestry, Wildlife and Range Sciences: 99-104.

Multispecies  
Distribution

330. Henderson, Douglass M. 1978. Notes and news: notes on the flora of east-central Idaho. Madroño. 25: 172-174.

*Gentiana tenella, Phacelia lyallii*  
Distribution

331. Henderson, Douglass M. 1981. A new *Douglasia* (Primulaceae) from Idaho. Brittonia. 33(1): 52-56.

*Douglasia idahoensis*  
Taxonomy

332. Henderson, Douglass M. 1982. A survey of the rare plants of the Challis National Forest Middle Fork Ranger District, with recommendations and management implications. Unpublished report on file at: University of Idaho, University of Idaho Herbarium, Moscow, ID. 32 p. plus appendix.

*Coryphantha vivipara, Epipactis gigantea, Hackelia davisii*  
Status survey

333. Henderson, Douglass M. 1982. Rare plant survey of the Challis National Forest. Supplement No. 1. Unpublished report on file at: University of Idaho, University of Idaho Herbarium, Moscow, ID. 7 p.

Multispecies  
Distribution

334. Henderson, Douglass M. 1983. Rare plants of the Challis National Forest, a summary report. Unpublished report on file at: University of Idaho, University of Idaho Herbarium, Moscow, ID. 68 p.

Multispecies  
Status survey

335. Henderson, Douglass M.; Brunsfeld, Steven; Brunsfeld, Pamela. 1979. A survey of the rare plants of the Challis National Forest, with recommendations and management implications. Unpublished report on file at: University of Idaho, University of Idaho Herbarium, Moscow, ID. 131 p. plus addendum.

Multispecies  
Distribution, status survey

336. Henderson, Douglass M.; Brunsfeld, Steven; Brunsfeld, Pamela. 1981. Noteworthy collections: Idaho. Madroño. 28(2): 88-90.

*Astragalus amnis-amissi, Erigeron humilis, Gentiana propinqua, Papaver kluanense*  
Distribution

337. Henderson, Douglass M.; Moseley, Robert K.; Cholewa, Anita F. 1990. A new *Agoseris* (Asteraceae) from Idaho and Montana. *Systematic Botany*. 15(3): 462-465.

*Agoseris lackschewitzii*  
Taxonomy

338. Henderson, Jan A. 1978. Plant succession on the *Alnus rubra* / *Rubus spectabilis* habitat type in western Oregon. *Northwest Science*. 52(3): 156-167.

*Rubus spectabilis*  
Community ecology

339. Henderson, L. F. 1900. New plants from Idaho and from other localities of the Northwest. *Bulletin of the Torrey Botanical Club*. 27: 342-359.

*Calochortus nitidus*, *Halimolobos perplexa perplexa*, *Haplopappus insecticruris*, *Lepidium papilliferum*, *Phacelia inconspicua*, *Phacelia minutissima*  
Distribution, taxonomy

340. Henderson, Louis F. 1899. Two new species of plants from the northwestern United States. *Contributions from the U.S. National Herbarium*. 5(4): 201-202.

*Aster jessiae*  
Taxonomy

341. Hermann, Frederick, J. 1970. Manual of the *Carices* of the Rocky Mountains and Colorado Basin. *Agric. Handb.* 374. Washington, DC: U.S. Department of Agriculture, Forest Service. 397 p.

Multispecies  
Distribution, taxonomy

342. Hewitt, George B. 1980. Plant phenology as a guide in timing grasshopper control efforts on Montana rangeland. *Journal of Range Management*. 33(4): 297-299.

*Astragalus gilviflorus*  
Community ecology

343. Higgins, Larry C. 1971. A revision of *Cryptantha* subgenus *Oreocarya*. *Brigham Young University Science Bulletin, Biological Series*. 8(4): 63 p.

*Cryptantha breviflora*, *Cryptantha caespitosa*, *Cryptantha propria*  
Distribution, taxonomy

344. Hill, Janice L. 1991. Botanical survey report, Wapshilla Ridge area/Craig Mountain, Idaho. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 10 p. plus maps.

*Calochortus macrocarpus maculosus*, *Calochortus nitidus*, *Crepis bakeri idahoensis*, *Erigeron engelmannii davisii*, *Pediocactus simpsonii robustior*, *Penstemon elegantulus*  
Distribution

345. Hill, Steven R. 1988. New plant records for Maryland with an additional note on *Nymphaea tetragona* (Nymphaeaceae) pollination. *Castanea*. 53(2): 164-166.

*Nymphaea tetragona*  
Biology

346. Hilty, Julie; Moseley, Bob, compilers. 1991. Idaho Natural Areas directory. Unpublished manuscript on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

Multispecies  
Distribution

347. Hitchcock, C. Leo. 1941. A revision of the *Drabas* of western North America. Seattle: University of Washington Press. 109 p. plus plates.

*Draba apiculata*, *Draba argyraea*, *Draba fladnizensis*, *Draba incerta*  
Distribution, taxonomy

348. Hitchcock, C. L.; Thompson, J. W. 1945. Note-worthy plants of Idaho. *Leaflets of Western Botany*. 4(8): 197-206.

*Collomia debilis camporum*, *Draba argyraea*, *Lewisia kelloggii*, *Salix farriae*  
Distribution

349. Hitchcock, C. Leo. 1944. The *Tofieldia glutinosa* complex of western North America. *American Midland Naturalist*. 31: 487-498.

*Tofieldia glutinosa absona*, *Tofieldia glutinosa brevistyla*  
Taxonomy

350. Hitchcock, C. Leo; Cronquist, Arthur. 1973. *Flora of the Pacific Northwest*. Seattle: University of Washington Press. 730 p.

Multispecies  
Distribution, taxonomy

351. Hitchcock, C. Leo; Cronquist, Arthur; Ownbey, Marion; Thompson, J. W. 1955. Vascular plants of the Pacific Northwest. Part 5: Compositae. Seattle: University of Washington Press. 343 p.

Multispecies  
Distribution, taxonomy

352. Hitchcock, C. Leo; Cronquist, Arthur; Ownbey, Marion; Thompson, J. W. 1959. Vascular plants of the Pacific Northwest. Part 4. Ericaceae to Campanulaceae. Seattle: University of Washington Press. 510 p.

Multispecies  
Distribution, taxonomy

353. Hitchcock, C. Leo; Cronquist, Arthur; Ownbey, Marion; Thompson, J. W. 1961. Vascular plants of the Pacific Northwest. Part 3: Saxifragaceae to Ericaceae. Seattle: University of Washington Press. 614 p.

Multispecies  
Distribution, taxonomy

354. Hitchcock, C. Leo; Cronquist, Arthur; Ownbey, Marion; Thompson, J. W. 1964. Vascular plants of the Pacific Northwest. Part 2: Salicaceae to Saxifragaceae. Seattle: University of Washington Press. 597 p.

Multispecies  
Distribution, taxonomy

355. Hitchcock, C. Leo; Cronquist, Arthur; Ownbey, Marion; Thompson, J. W. 1969. Vascular plants of the Pacific Northwest. Part 1: Vascular cryptogams, gymnosperms and monocotyledons. Seattle: University of Washington Press. 914 p.

Multispecies  
Distribution, taxonomy

356. Hitchcock, C. Leo; Maguire, Bassett. 1947. A revision of the North American species of *Silene*. University of Washington Publications in Biology, Vol. 13. Seattle: University of Washington Press. 73 p.

*Silene scaposa lobata*, *Silene spaldingii*  
Distribution, taxonomy

357. Holmgren, Arthur H.; Shultz, Leila M.; Lowrey, Timothy K. 1976. *Sphaeromeria*, a genus closer to *Artemisia* than to *Tanacetum* (Asteraceae: Anthemideae). *Brittonia*. 28(2): 255-262.

*Sphaeromeria potentilloides*  
Taxonomy

358. Holmgren, Noel H. 1973. Five new species of *Castilleja* (Scrophulariaceae) from the Intermountain region. *Bulletin of the Torrey Botanical Club*. 100(2): 83-93.

*Castilleja christii*  
Distribution, taxonomy

359. Holmgren, Noel H. 1979. New *Penstemons* (Scrophulariaceae) from the Intermountain Region. *Brittonia*. 31(2): 217-242.

*Penstemon janishiae*  
Distribution, taxonomy

360. Holsinger, Kent E. 1978. The role of selenium in the evolution of *Allium aaseae* Ownbey. Honors Program, The College of Idaho, Caldwell, ID. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 21 p.

*Allium aaseae*  
Biology

361. Horton, L. E. 1972. Vascular plants of the lower Salmon River. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Region, Division of Range Management. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 52 p.

*Astragalus paysonii*, *Pediocactus simpsonii robustior*  
Distribution

362. Hough, R. Anton. 1974. Photorespiration and productivity in submersed aquatic vascular plants. *Limnology and Oceanography*. 19(6): 912-927.

*Scirpus subterminalis*  
Biology

363. Howell, John Thomas. 1945. Some noteworthy Californian plant collections. *Leaflets of Western Botany*. 4(6): 168-170.

*Dimeresia howellii*  
Distribution

364. Howell, John Thomas. 1945. Studies in *Carex* - I. Leaflets of Western Botany. 4(8): 206-208.

*Carex flava*  
Distribution

365. Howell, John Thomas. 1947. Studies in *Carex* - II. Leaflets of Western Botany. 2(2): 36-40.

*Carex breweri pandoensis*  
Taxonomy

366. Hunziker, Armando T.; Anton, Ana M. 1979. A synoptical revision of *Blepharidachne* (Poaceae). *Brittonia*. 31(4): 446-453.

*Blepharidachne kingii*  
Taxonomy

367. Hurd, Mering. 1980. Threatened or endangered plant and state rare report. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Cottonwood Resource Area, Cottonwood, ID. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not pagged.

Multispecies  
Status survey

368. Hutchings, Michael J. 1979. Weight-density relationships in ramet populations of clonal perennial herbs, with special reference to the  $-^{3/2}$  power rule. *Journal of Ecology*. 67(1): 21-33.

*Carex chordorrhiza*  
Biology

369. Hutchinson, T. C.; Freedman, W. 1978. Effects of experimental crude oil spills on subarctic boreal forest vegetation near Norman Wells, N.W.T. Canada. *Canadian Journal of Botany*. 56(19): 2424-2433.

*Andromeda polifolia, Equisetum scirpoides, Ledum groenlandicum, Vaccinium oxycoccus*  
Community ecology

370. Hutton, Eugene E. 1972. Vascular plants previously unreported in West Virginia. *Castanea*. 37(4): 241-243.

*Cicuta bulbifera*  
Distribution

371. Idaho Native Plant Society. 1991. Results of seventh annual Idaho rare plant conference. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not pagged.

Multispecies  
Management techniques

372. Idaho Native Plant Society. 1992. Results of the eighth annual Idaho rare plant conference. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not pagged.

Multispecies  
Management techniques

373. Isabelle, Pierre S.; Fooks, Lisa J.; Keddy, Paul A. 1987. Effects of roadside snowmelt on wetland vegetation: an experimental study. *Journal of Environmental Management*. 25: 57-60.

*Scirpus cyperinus*  
Community ecology

374. Isely, Duane. 1980. New combinations and one new variety in *Trifolium* (Leguminosae). *Brittonia*. 32(1): 55-57.

*Trifolium longipes multipedunculatum*  
Taxonomy

375. Isely, Duane. 1983. *Astragalus* (Leguminosae: Papilionoideae): I. Keys to United States species. *Iowa State Journal of Research*. 58(1): 3-172.

Multispecies  
Taxonomy

376. Isely, Duane. 1984. *Astragalus* L. (Leguminosae: Papilionoideae): II. Species summary A-E. *Iowa State Journal of Research*. 59(2): 99-209.

Multispecies  
Taxonomy

377. Isely, Duane. 1985. Leguminosae of United States. *Astragalus* L.: III. Species summary F-M. *Iowa State Journal of Research*. 60(2): 183-320.

*Astragalus jejunus, Astragalus kentrophyta jessiae, Astragalus leptaleus, Astragalus microcystis, Astragalus mulfordiae*  
Distribution, taxonomy

378. Isely, Duane. 1986. Leguminosae of the United States. *Astragalus* L.: IV. Species summary

N-Z. Iowa State Journal of Research. 61(2): 157-289.

*Astragalus newberryi castoreus*, *Astragalus oniciformis*, *Astragalus paysonii*, *Astragalus purshii ophiogenes*, *Astragalus riparius*, *Astragalus salmonis*, *Astragalus tetrapheratus*, *Astragalus vallaris*, *Astragalus vexilliflexus nubilus*, *Astragalus yoder-williamsii*  
Distribution, taxonomy

379. Ito, Koji; Tachibana, Hisako. 1987. Flora and vegetation of Ukiyima Mire. Conservational flora of Hokkaido 2. Environmental Science, Hokkaido. 10(1): 81-93.

*Andromeda polifolia*, *Lycopodium inundatum*, *Nymphaea tetragona*, *Rhynchospora alba*, *Scheuchzeria palustris*, *Trientalis arctica*, *Vaccinium oxycoccos*  
Distribution

380. Jankovska, Vlasta; Rybnicek, Kamil. 1988. The genus *Carex* in the Late Glacial and Holocene of Czechoslovakia. Aquatic Botany. 30: 23-37.

*Carex chordorrhiza*, *Carex flava*  
Distribution

381. Jeffrey, D. W.; Pigott, C. D. 1973. The response of grasslands on sugar-limestone in Teesdale to applications of phosphorus and nitrogen. Journal of Ecology. 61: 85-92.

*Kobresia simpliciuscula*  
Community ecology

382. Jewell, James Edward. 1978. A biosystematic study of *Camassia cusickii* S. Watson and its allies (Liliaceae). Moscow, ID: University of Idaho. 80 p. plus appendix. Thesis.

*Camassia cusickii*  
Taxonomy

383. Johnson, Charles G.; Simon, Steven A. 1987. Plant associations of the Wallowa-Snake province. R6-ECOL-TP-255A-86. Baker City, OR: U.S. Department of Agriculture, Forest Service, Wallowa-Whitman National Forest. 400 p. plus appendices.

*Allium tolmiei platyphyllum*, *Botrychium simplex*, *Calandrinia ciliata*, *Camassia cusickii*, *Cryptantha simulans*, *Europhyton austinia*, *Halimolobos perplexa perplexa*, *Mirabilis macfarlanei*, *Penstemon elegantulus*, *Peraphyllum ramosissimum*  
Community ecology

384. Johnson, Craig A. [n.d.]. An endangered plant's (*Mirabilis macfarlanei*) response to cattle grazing and protection from grazing, and other ecological effects. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 31 p.

*Mirabilis macfarlanei*  
Management techniques, monitoring

385. Johnson, Craig A. 1983. Helicopter survey of the lower Salmon River Canyon for Macfarlane's four o'clock (*Mirabilis macfarlanei*). Prepared for: U.S. Department of the Interior, Bureau of Land Management, Coeur d' Alene District, Cottonwood, ID. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Mirabilis macfarlanei*  
Distribution

386. Johnson, E. A. 1987. The relative importance of snow avalanche disturbance and thinning on tree populations. In: Proceedings of the international symposium on ecological aspects tree-ring analysis; 1987 April. [Place of publication and publisher unknown]: 180. Abstract.

*Salix glauca*  
Community ecology

387. Johnson, Fred. 1976. Notes on *Phlox idahonis*. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 8 p.

*Phlox idahonis*  
Status survey

388. Johnson, Frederic. 1978. Clearwater Basin sensitive plant study, Brassicaceae (Cruciferae) *Cardamine constancei* Detling. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 17 p.

*Cardamine constancei*  
Biology, community ecology, status survey

389. Johnson, Frederic D. 1988. Damage survey of *Cornus nuttallii* in northern Idaho - fall 1988. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 20 p. plus figures.

*Cornus nuttallii*  
Monitoring

390. Johnson, Frederic D.; Ardema, Douglas S. 1983. News and notes: a disjunct population of *Ribes sanguineum* (Grossulariaceae) in Idaho. *Madroño*. 30(3): 191-193.

*Ribes sanguineum*  
Distribution

391. Johnson, Frederic D; Brunsfeld, Steven J. 1983. Noteworthy collections: Idaho. *Madroño*. 30: 259.

*Carex flava, Salix candida*  
Distribution

392. Johnson, Frederic D.; Crawford, Rex C. 1978. Ecology and distribution of six species of sensitive plants of northern Idaho (Clear-water Basin sensitive plants study). Unpublished paper on file at: University of Idaho, Department of Forest Resources, Moscow, ID. 9 p. plus appendices.

*Cardamine constancei, Corydalis caseana hastata, Dasynotus daubenmirei, Phlox idahonis, Synthyris platycarpa, Waldsteinia idahoensis*  
Biology, community ecology, management techniques

393. Johnson, Frederic D.; Mattson, David J. 1978. A survey of sensitive plants of the Snake River corridor, Hells Canyon National Recreation Area. Unpublished report on file at: University of Idaho, Department of Forest Resources, Moscow, ID. 113 p.

Multispecies  
Community ecology, distribution

394. Johnson, Frederic D.; Steele, Robert. 1978. New plant records for Idaho from Pacific coastal refugia. *Northwest Science*. 52(3): 205-211.

Multispecies  
Distribution

395. Johnson, Frederic D.; Steele, Robert W. 1974. A tentative list of uncommon plants of Idaho. In: Wellner, C. A.; Johnson, F. D., eds. *Research Natural Area needs in Idaho: a first estimate: report of the Natural Areas Workshop; 1974 April 24-25; Boise, ID.* Moscow, ID: University of Idaho, College of Forestry, Wildlife and Range Sciences: 105-145.

Multispecies  
Distribution

396. Johnson, J. D. 1989. Additions to the vascular flora of Manitoba. *Canadian Field-Naturalist*. 103(2): 291-293.

*Lycopodium sitchense, Rhynchospora alba*  
Distribution

397. Johnson-Groh, Cindy; Farrar, Donald. 1989. Ecological monitoring of *Botrychium campestre* and a new species of *Botrychium* in western Minnesota. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 6 p.

*Botrychium simplex*  
Monitoring

398. Johnston, Barry C. 1987. Establishment report: Swamp Lake Botanical Area, Shoshone National Forest, Park County, Wyoming. Unpublished report prepared for and on file at: U.S. Department of Agriculture, Forest Service, Shoshone National Forest, Cody, WY. 9 p.

*Carex buxbaumii, Carex leptalea, Epilobium palustre, Eriophorum viridicarinatum, Habenaria obtusata, Kobresia simpliciuscula, Muhlenbergia racemosa, Petasites sagittatus, Picea glauca, Salix candida*  
Management techniques

399. Johnston, Ivan M. 1948. Studies in the Boraginaceae, XVI. *Journal of the Arnold Arboretum*. 29: 227-241.

*Dasynotus daubenmirei*  
Taxonomy

400. Jokerst, James D. 1980. Status report, *Howellia aquatilis* Gray, for the Mendocino National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Howellia aquatilis*  
Status survey

401. Jones, Almut G. 1984. Typification of *Aster jessicae* Piper and reinstatement of *A. mollis* Rydberg (Asteraceae). *Madroño*. 31(2): 113-122.

*Aster jessicae*  
Taxonomy

402. Jones, Almut G. 1987. Lectotypification of *Aster jessicae* Piper: a rebuttal. *Taxon*. 36(1): 142.

*Aster jessicae*  
Taxonomy

403. Jones, George Neville. 1948. A list of vascular plants from St. Louis County, Minnesota. *The American Midland Naturalist*. 40(2): 475-492.

Multispecies  
Distribution

404. Kadota, Yuichi. 1990. Taxonomical notes on the alpine species of *Ranunculus* in Japan. *Bulletin of the National Science Museum of Tokyo. Series B*. 16(2): 73-92.

*Ranunculus pygmaeus*  
Taxonomy

405. Kagan, Jimmy. 1990. Species management guide for *Cypripedium fasciculatum* for southwestern Oregon: Klamath National Forest (in Oregon), Rogue River National Forest, Siskiyou National Forest, Umpqua National Forest, and Medford District of the Bureau of Land Management. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 19 p. Draft.

*Cypripedium fasciculatum*  
Status survey

406. Kak, A. Majeed. 1985. Aquatic and wetland vegetation of the northwestern Himalaya - XXI. Family Nymphaeaceae in the northwestern Himalaya. *Journal of Economic and Taxonomic Botany*. 7(3): 591-598.

*Nymphaea tetragona*  
Taxonomy

407. Karlin, E. F.; Bliss, L. C. 1983. Germination ecology of *Ledum groenlandicum* and *Ledum palustre* ssp. *decumbens*. *Arctic and Alpine Research*. 15(3): 397-404.

*Ledum groenlandicum*  
Biology

408. Kawano, Shoichi; Ihara, Masaaki; Suzuki, Masatomo. 1968. Biosystematic studies on *Maianthemum* (Liliaceae-Polygonatae). II.

Geography and ecological life history. *Japanese Journal of Botany*. 20(1): 35-65.

*Maianthemum dilatatum*  
Biology, community ecology

409. Kawano, Shoichi; Suzuki, Masatomo; Kojima, Satoru. 1971. Biosystematic studies on *Maianthemum* (Liliaceae-Polygonatae). V. Variation in gross morphology, karyology, and ecology of North American populations of *M. dilatatum* sensu lato. *Botanical Magazine, Tokyo*. 84(955): 299-318.

*Maianthemum dilatatum*  
Taxonomy

410. Kaye, Tom; Fredricks, Nancy; Gamon, John. 1991. Population monitoring for fringed-pinesap (*Pleuricospora fimbriolata*) on the Gifford Pinchot National Forest. Unpublished report on file at: Oregon Department of Agriculture, Plant Conservation Biology Program, Salem, OR. 44 p.

*Allotropa virgata*  
Monitoring

411. Kaye, Thomas; Massey, Susan; Messinger, Wes; Meinke, Robert; Magee, Teresa. 1990. *Haplopappus radiatus* inventory and cytogeographic survey. Prepared for: Oregon Department of Agriculture, Natural Resources Division, Plant Conservation Biology and Endangered Species Section, Salem, OR. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 34 p.

*Haplopappus radiatus*  
Biology, status survey, taxonomy

412. Keck, David D. 1940. Studies in *Penstemon*. VII. The subsections *Gairdneriani*, *Deusti*, and *Arenarii* of the *Graciles*, and miscellaneous new species. *The American Midland Naturalist*. 23(3): 594-616.

*Penstemon compactus*  
Taxonomy

413. Keck, David D. 1958. Taxonomic notes on the California flora. *Aliso*. 4(1): 101-114.

*Chrysanthus nauseosus nanus*, *Haplopappus liatiformis*, *Haplopappus uniflorus howellii*  
Taxonomy

414. Keck, David D.; Cronquist, Arthur. 1957. Studies in *Penstemon*. IX. Notes on northwestern American species. *Brittonia*. 8: 247-250.

*Penstemon lemhiensis*

Taxonomy

415. Keener, C. S. 1976. Studies in the Ranunculaceae of the Southeastern United States. II. *Thalictrum* L. *Rhodora*. 78(815): 457-472.

*Thalictrum dasycarpum*

Taxonomy

416. Kelso, Sylvia. 1987. Systematics and biogeography of the arctic and boreal species of *Primula*. Fairbanks, AK: University of Alaska. 212 p. Dissertation.

*Primula alcalina, Primula incana*

Distribution, taxonomy

417. Kelso, Sylvia. 1988. Evolution in the genus *Primula* sect. *Aleuritia*: isolation, secondary contact, polyploidy, and homostyly. In: Abstracts for the American Institute of Biological Sciences meeting, Systematics section; Davis, CA. [Place of publication unknown]: American Institute of Biological Sciences: Abstract 602.

*Primula alcalina*

Taxonomy

418. Kelso, Sylvia. 1991. Taxonomy of *Primula* sects. *Aleuritia* and *Armerina* in North America. *Rhodora*. 93(873): 67-99.

*Primula alcalina, Primula incana*

Distribution, taxonomy

419. Kemp, Lois; Siddall, Jean L.; Chambers, Kenton L. 1978. Status report for *Howellia aquatilis*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 8 p.

*Howellia aquatilis*

Status survey

420. Kennison, John A. 1980. Report on *Astragalus mulfordiae*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p.

*Astragalus mulfordiae*

Status survey

421. Kennison, John A. 1980. Report on *Camassia cusickii*. Unpublished report on file at: Idaho

Department of Fish and Game, Conservation Data Center, Boise, ID. 14 p.

*Camassia cusickii*

Status survey

422. Kennison, John A.; Taylor, Ronald J. 1979. Status report for *Aster jessicae*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 3 p. plus appendices.

*Aster jessicae*

Status survey

423. Kennison, John A.; Taylor, Ronald J. 1979. Status report for *Calamagrostis tweedyi*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 6 p.

*Calamagrostis tweedyi*

Status survey

424. Kennison, John A.; Taylor, Ronald J. 1979. Status report for *Calochortus nitidus*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 3 p. plus appendices.

*Calochortus nitidus*

Status survey

425. Kennison, John A.; Taylor, Ronald J. 1979. Status report for *Haplopappus liatiformis*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 3 p. plus appendices.

*Haplopappus liatiformis*

Status survey

426. Kershaw, K. A. 1974. Studies on lichen-dominated systems. X. The sedge meadows of the coastal raised beaches. *Canadian Journal of Botany*. 52: 1947-1972.

*Andromeda polifolia, Carex chordorrhiza, Salix candida*

Community ecology

427. Ketchledge, E. H. 1982. Adirondack insights: 3. Dwarf willows and dwarf birches. *Adirondack*. 47(7): 18-19.

*Betula pumila glandulifera*

Community ecology, distribution

428. Ketchledge, E. H. 1984. Adirondack insights: 15. The alpine flora. *Adirondac.* 48(5): 17-20.

*Carex paupercula, Ledum groenlandicum, Vaccinium oxycoccus*  
Distribution

429. Ketchledge, E. H.; Leonard, R. E. 1984. Adirondack insights: 6. Summit stability. *Adirondac.* 46(10): 22-23.

*Ledum groenlandicum, Vaccinium oxycoccus*  
Distribution

430. Kiger, Robert W. 1975. *Papaver* in North America north of Mexico. *Rhodora.* 77: 410-422.

*Papaver kluanense*  
Taxonomy

431. Kim, Jinwoong; Pezzuto, John M.; Soejarto, D. Doel; Lang, Frank A.; Kinghorn, A. Douglas. 1988. Polypodoside A, an intensely sweet constituent of the rhizomes of *Polypodium glycyrrhiza*. *Journal of Natural Products.* 51(6): 1166-1172.

*Polypodium glycyrrhiza*  
Distribution

432. Klekowski, Edward J.; Beal, Ernest O. 1965. A study of variation in the *Potamogeton capillaceus-diversifolius* complex (Potamogetonaceae). *Brittonia.* 17: 175-181.

*Potamogeton diversifolius*  
Taxonomy

433. Klinka, K.; Krajina, V. J.; Ceska, A.; Scagel, A. M. 1989. Indicator plants of coastal British Columbia. Vancouver: University of British Columbia Press. 287 p.

Multispecies  
Community ecology

434. Knight, Teri. 1991. Status report for *Astragalus yoder-williamsii*. Prepared for: Bureau of Land Management, Winnemucca District, Paradise-Denio Resource Area, Winnemucca, NV. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 23 p. plus maps.

*Astragalus yoder-williamsii*  
Status survey

435. Knight, Walter; Knight, Irja; Howell, John Thomas. 1970. A vegetation survey of the

Butterfly Botanical Area, California. The *Wasmann Journal of Biology.* 28(1): 1-46.

Multispecies  
Distribution

436. Knoop, Jeff. 1986. Recent discoveries to the flora of Ohio. In: Ohio Academy of Science program and abstracts: 95th annual meeting of the Ohio Academy of Science; 1986 April 25-27; Toledo, OH. *Ohio Journal of Science.* 86(2): 3. Abstract.

*Corallorrhiza wisteriana*  
Distribution

437. Krajina, V. J.; Klinka, K.; Worrall, J. 1982. Distribution and ecological characteristics of trees and shrubs of British Columbia. Vancouver, BC: The University of British Columbia. 131 p.

*Betula pumila glandulifera*  
Community ecology

438. Kruckeberg, A. R. 1961. Artificial crosses of western North American *Silenes*. *Brittonia.* 13: 305-333.

*Silene scaposa lobata, Silene spaldingii*  
Taxonomy

439. Kruckeberg, A. R. 1976. Perry Creek, Washington, a fern-watcher's Eldorado. *American Fern Journal.* 66(2): 39-45.

*Blechnum spicant, Botrychium lanceolatum lanceolatum, Botrychium simplex, Polypodium glycyrrhiza*  
Distribution

440. Kuc, Marian. 1974. Noteworthy vascular plants collected in southwestern Banks Island, N.W.T. Arctic. *27(2): 145-150.*

*Parnassia kotzebuei kotzebuei*  
Distribution

441. Kurtz, James; Sutherland, David M. 1977. A taxonomic investigation of some rhizomatous species of the genus *Muhlenbergia* (Gramineae). *Transactions of the Nebraska Academy of Sciences.* 4: 69-72.

*Muhlenbergia racemosa*  
Taxonomy

442. Kytovuori, Ilkka. 1972. *Epilobium davuricum* Fisch. (Onagraceae) in eastern Fennoscandia compared with *E. palustre* L.: a morphological,

ecological and distributional study. *Annales Botanici Fennici*. 6: 35-58.

*Epilobium palustre*  
Distribution, taxonomy

443. La Roi, George H.; Hnatiuk, Roger J. 1980. The *Pinus contorta* forests of Banff and Jasper National Parks: a study in comparative synecology and syntaxonomy. *Ecological Monographs*. 50(1): 1-29.

*Ledum groenlandicum*  
Community ecology

444. La Frankie, James V., Jr. 1986. Morphology and taxonomy of the New World species of *Maianthemum* (Liliaceae). *Journal of the Arnold Arboretum*. 67(4): 371-440.

*Maianthemum dilatatum*  
Taxonomy

445. Lackschewitz, Klaus. 1986. Plants of west-central Montana—identification and ecology: annotated checklist. Gen. Tech. Rep. INT-217. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 128 p.

Multispecies  
Distribution

446. Lackschewitz, Klaus. 1991. Vascular plants of west-central Montana—identification guidebook. Gen. Tech. Rep. INT-277. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 648 p.

Multispecies  
Distribution

447. Lackschewitz, Klaus H. 1970. Alpine and timberline flora in the Bitterroot Mountains, Montana. *Proceedings of the Montana Academy of Science*. 30: 1-30.

*Draba incerta, Phacelia lyallii*  
Distribution

448. Lackschewitz, Klaus H. 1976. Montana mountain flora: new records. *Madroño*. 23(6): 360-362.

*Carex breweri padoensis, Carex incurviformis, Polystichum kruckebergii*  
Distribution

449. Lackschewitz, Klaus H. 1976. Check list of plants with restricted distribution ranges in Montana and adjacent areas and their pattern of distribution. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 17 p.

Multispecies  
Distribution

450. Lackschewitz, Klaus; Lesica, Peter; Shelly, J. Stephen. 1988. Noteworthy collections: Montana. *Madroño*. 35: 355-358.

*Waldsteinia idahoensis*  
Distribution

451. Lang, Frank A. 1969. A new name for a species of *Polypodium* from northwestern North America. *Madroño*. 20: 53-60.

*Polypodium glycyrrhiza*  
Taxonomy

452. Larson, G. E.; Barker, William T. 1978. The genus *Salix* in North Dakota. *Proceedings of the North Dakota Academy of Science*. 32(1): 15. Conference paper.

*Salix candida, Salix pedicellaris*  
Distribution

453. Lathrop, Earl W.; Thorne, Robert F. 1976. The vernal pools on Mesa de Burro of the Santa Rosa Plateau, Riverside County, California. *Aliso*. 8(4): 433-445.

*Psilocarphus tenellus*  
Community ecology, distribution

454. Layser, Earle F. 1971. Notes on the flora of the Pacific Northwest. *Madroño*. 21(1): 47-48.

*Stellaria calycantha calycantha*  
Distribution

455. Layser, Earle F. 1980. Flora of Pend Oreille County, Washington. Pullman, WA: Washington State University Cooperative Extension. 146 p.

Multispecies  
Community ecology, distribution

456. Lecointe, Alain; Provost, Michel. 1977. A propos d'une transplantation de sauvegarde d'*Andromeda polifolia* L. (Ericacees) de Baupre (Manche) à Cessières (Aisne). *Bulletin de Société Linéenne de Normandie*. 105: 95-100.

*Andromeda polifolia*  
Management techniques

457. Lee, Kit Ha. 1969. The genus *Haplopappus* in Idaho. Moscow, ID: University of Idaho. 94 p. Thesis.

*Haplopappus aberrans*, *Haplopappus bloomeri*, *Haplopappus insecticruris*, *Haplopappus integrifolius*, *Haplopappus liatiformis*  
Distribution, taxonomy

458. Lee, Vincent. 1985. The distribution and habitat characteristics of *Haplopappus insecticruris* in Camas, Blaine and Elmore Counties, Idaho. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 12 p. plus appendix.

*Haplopappus insecticruris*  
Status survey

459. Lee, Vincent Roy. 1983. *Oenothera psammophila* (Nels. & Macbr.) Wagner, Stockhouse & Klein ined. in the Fremont County, Idaho, sand dune system. Moscow, ID: University of Idaho. 151 p. Thesis.

*Oenothera psammophila*  
Biology, community ecology, distribution

460. Lelong, Michel G. 1988. Noteworthy monocots of Mobile and Baldwin Counties, Alabama. *Sida*. 13(1): 101-113.

*Corallorrhiza wisteriana*  
Distribution

461. Lenihan, James M. 1990. Forest associations of Little Lost Man Creek, Humboldt County, California: reference-level in the hierarchical structure of old-growth coastal redwood vegetation. *Madroño*. 37(2): 69-87.

*Blechnum spicant*, *Carex hendersonii*, *Rubus spectabilis*, *Trientalis latifolia*, *Viola sempervirens*  
Community ecology

462. Lenz, Lee W. 1986. Marcus E. Jones: western geologist, mining engineer and botanist. Claremont, CA: Rancho Santa Ana Botanic Garden. 486 p.

*Astragalus mulfordiae*, *Carex aboriginum*  
Distribution

463. Lesica, P. 1983. Vascular plant species of limited distribution in Montana known to occur in the Centennial Valley, Montana. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Astragalus ceramicus apus*, *Carex idahoae*  
Distribution

464. Lesica, Peter. 1986. Vegetation and flora of Pine Butte fen, Teton County, Montana. *The Great Basin Naturalist*. 46(1): 22-32.

*Carex buxbaumii*, *Carex livida*, *Cypripedium calceolus parviflorum*, *Epilobium palustre*, *Eriophorum viridicarinatum*, *Lobelia kalmii*, *Phlox kelseyi kelseyi*, *Salix candida*  
Community ecology, status survey

465. Lesica, Peter. 1988. A preliminary study of the pollination biology of Spalding's Catchfly in the Tobacco Valley, Lincoln County, Montana. Prepared for: The Nature Conservancy, Montana/Wyoming Office, Helena, MT. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 5 p.

*Silene spaldingii*  
Biology

466. Lesica, Peter. 1988. Germination requirements and seedling biology of Spalding's Catchfly (*Silene spaldingii*). Prepared for: The Nature Conservancy, Montana/Wyoming Office, Helena, MT. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 2 p.

*Silene spaldingii*  
Biology

467. Lesica, Peter. 1988. Monitoring *Silene spaldingii* on Dancing Prairie Preserve: 1988 progress report. Prepared for: The Nature Conservancy, Montana/Wyoming Office, Helena, MT. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 4 p.

*Silene spaldingii*  
Biology, monitoring

468. Lesica, Peter. 1988. Monitoring *Silene spaldingii* on Wild Horse Island: 1988 progress report. Prepared for: The Nature Conservancy, Montana/Wyoming Office, Helena, MT. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 3 p.

*Silene spaldingii*  
Biology, monitoring

469. Lesica, Peter. 1990. Habitat requirements, germination behavior and seed bank dynamics of *Howellia aquatilis* in the Swan Valley, Montana. Prepared for: U.S. Department of Agriculture, Flathead National Forest, Kalispell, MT. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 44 p.

*Howellia aquatilis*  
Biology

470. Lesica, Peter. 1990. Vegetation and sensitive vascular plants of Morrison Lake, Harkness Lakes and Nicholia Creek wetlands, Beaverhead County, Montana. Prepared for: U.S. Department of Agriculture, Beaverhead National Forest, Dillon, MT. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 28 p.

*Agoseris lackschewitzii*, *Astragalus leptaleus*, *Carex idaho*  
Community ecology, distribution

471. Lesica, Peter. 1991. Inbreeding depression and the importance of pollinators to the threatened plant, *Silene spaldingii* (Caryophylaceae). Prepared for: The Nature Conservancy, Montana Field Office, Helena, MT. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 15 p.

*Silene spaldingii*  
Biology

472. Lesica, Peter; Lackschewitz, Klaus; Pierce, John; Gregory, Shari; O'Brien, Maria. 1986. Noteworthy collections: Montana. *Madroño*. 33: 310-312.

*Carex comosa*, *Kobresia simpliciuscula*, *Primula alcalina*, *Scirpus cyperinus*  
Distribution

473. Lesica, Peter; Leary, Robb F. 1987. Lack of genetic diversity within and among populations of the rare plant, *Howellia aquatilis*. Prepared for: The Nature Conservancy, Montana/Wyoming Field Office, Helena, MT. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 12 p. plus references.

*Howellia aquatilis*  
Biology, distribution, genetics

474. Lesica, Peter; Leary, Robb F.; Allendorf, Fred W.; Bilderback, David E. 1988. Lack of genetic diversity within and among populations of an endangered plant, *Howellia aquatilis*. *Conservation Biology*. 2(3): 275-282.

*Howellia aquatilis*  
Biology, distribution, genetics

475. Lesica, P.; Moore, G.; Peterson, K. M.; Rumely, J. H. 1984. Vascular plants of limited distribution in Montana. *Montana Academy of Sciences. Supplement to the proceedings: Vol. 43, Monogr. 2*. 61 p.

Multispecies  
Distribution

476. Lesica, Peter; Shelly, J. Stephen. 1991. Sensitive, threatened and endangered vascular plants of Montana. *Occas. Publ. 1*. Helena, MT: Montana Natural Heritage Program. 88 p.

Multispecies  
Distribution

477. Lichhardt, Juanita. 1991. Initiation of long-term population monitoring of Pacific dogwood, *Cornus nuttallii*, on the Clearwater and Nez Perce National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

*Cornus nuttallii*  
Monitoring

478. Lichhardt, Juanita J. 1992. Community and population monitoring in Aquarius Research Natural Area, Clearwater National Forest. I. Plot establishment and baseline data, 1991. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 12 p. plus appendices.

Multispecies  
Monitoring

479. Lichhardt, Juanita; Mancuso, Michael. 1991. Report on the conservation status of *Allotropa virgata* (candystick) on the Nez Perce National Forest. I. Field survey and first- and second-year monitoring results. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

*Allotropa virgata*  
Monitoring, status survey

480. Lichthardt, J.; Weaver, T. 1985. Tolerance of two and eight-week droughts by range grass seedlings. *Proceedings of the Montana Academy of Sciences*. 45: 46-50.

*Bouteloua gracilis, Stipa viridula*  
Biology

481. Lieffers, V. J.; Larkin-Lieffers, P. A. 1987. Slope, aspect, and slope position as factors controlling grassland communities in the coulees of the Oldman River, Alberta. *Canadian Journal of Botany*. 65(7): 1371-1378.

*Astragalus bisulcatus, Astragalus gilviflorus, Bouteloua gracilis, Carex stenophylla, Coryphantha vivipara, Hymenoxys richardsonii, Stipa viridula*  
Community ecology, distribution

482. Lieffers, V. J.; Rothwell, R. L. 1987. Effects of drainage on substrate temperature and phenology of some trees and shrubs in an Alberta peatland. *Canadian Journal of Forest Research*. 17(2): 97-104.

*Betula pumila glandulifera*  
Community ecology

483. Lindholm, Tatio. 1982. Growth dynamics and the effect of frost in *Andromeda polifolia* on a raised bog. *Annales Botanici Fennici*. 19(3): 193-201.

*Andromeda polifolia*  
Biology

484. Lindholm, Tatio; Vasander, Harri. 1981. The effect of summer frost damage on the growth and production of some raised bog dwarf shrubs. *Annales Botanici Fennici*. 18(2): 155-168.

*Andromeda polifolia, Vaccinium oxycoccus*  
Biology

485. Long, Ron. 1979. *Eburophyton austiniiae* (A. Gray) A. A. Heller. *Davidsonia*. 10(2): 30-33.

*Eburophyton austiniiae*  
Distribution

486. Lorain, Christine C. 1988. Floristic history and distribution of coastal disjunct plants of the Northern Rocky Mountains. Moscow, ID: University of Idaho. 221 p. Thesis.

Multispecies  
Community ecology, distribution

487. Lorain, Christine C. 1989. Field investigation of *Festuca subuliflora* (crinkle-awn fescue), a Region 1 sensitive species, on the Nez Perce and Clearwater National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 8 p. plus appendices.

*Festuca subuliflora*  
Status survey

488. Lorain, Christine C. 1989. Field investigation of *Tauschia tenuissima*, a Region 1 sensitive species on the Clearwater National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 7 p. plus appendices.

*Tauschia tenuissima*  
Status survey

489. Lorain, Christine C. 1989. Field investigations of three Region 1 sensitive species on the Clearwater National Forest: *Asplenium trichomanes* (Maidenhair spleenwort), *Thelypteris nevadensis* (Sierra woodfern), and *Dodecatheon hendersonii* (Henderson's shooting star); plus new locations for additional sensitive species. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 19 p. plus appendices.

Multispecies  
Status survey

490. Lorain, Christine C. 1990. Field investigations of *Astragalus paysonii* (Payson's milk-vetch), a Region 1 sensitive species on the Nez Perce National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 11 p. plus appendices.

*Astragalus paysonii*  
Status survey

491. Lorain, Christine C. 1990. Field investigations of *Botrychium* subgenus *Botrychium* (Moonworts), on the Idaho Panhandle National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 34 p. plus appendices.

*Botrychium crenulatum, Botrychium lanceolatum lanceolatum, Botrychium minganense, Botrychium pinnatum, Botrychium simplex*  
Status survey

492. Lorain, Christine C. 1990. Report on the conservation status of *Antennaria arcuata* in Idaho. Prepared for: Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 42 p. plus appendices.

*Antennaria arcuata*

Status survey

493. Lorain, Christine C. 1990. Report on the conservation status of *Tauschia tenuissima* in Idaho. Prepared for: Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 25 p. plus appendices.

*Tauschia tenuissima*

Status survey

494. Lorain, Christine C. 1990. Seed collection and conservation of *Cornus nuttallii* (Pacific dogwood), a Region 1 sensitive species. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 13 p. plus appendices.

*Cornus nuttallii*

Management techniques, monitoring

495. Lorain, Christine C. 1990. Species management guide for *Juncus effusus* var. *pacificus* (soft rush) on the Clearwater National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 10 p. plus appendices.

*Juncus effusus pacificus*

Management techniques, status survey

496. Lorain, Christine C. 1991. Action plan for sensitive plant species on the Clearwater National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 62 p. plus appendices.

Multispecies

Distribution, management techniques

497. Lorain, Christine C. 1991. Conservation plan for *Cornus nuttallii* (Pacific dogwood), in Idaho. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 15 p. plus appendix.

*Cornus nuttallii*

Monitoring

498. Lorain, Christine. 1991. Rare plants on the Idaho Panhandle National Forests. Unpublished pamphlet prepared for and on file at: U.S. Department of Agriculture, Idaho Panhandle National Forests, Coeur d'Alene, ID. 49 p.

Multispecies

Distribution

499. Lorain, Christine C. 1991. Report on the conservation status of *Aster jessicae*, in Idaho and Washington. Unpublished report on file at: Idaho Department of Fish and Game, Idaho Conservation Data Center, Boise, ID. 57 p. plus appendices.

*Aster jessicae*

Status survey

500. Lorain, Christine C. 1991. Report on the conservation status of *Silene spaldingii* in Idaho. Prepared for: Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 29 p. plus appendices.

*Silene spaldingii*

Status survey

501. Lorain, Christine C. 1991. Species management guide for *Grindelia howellii* (Howell's gumweed), on the St. Joe National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 17 p. plus appendices.

*Grindelia howellii*

Management techniques, status survey

502. Lorain, Christine C. 1991. Species management guide for *Mimulus clivicola* (bank monkeyflower) on the Clearwater and Nez Perce National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

*Mimulus clivicola*

Management techniques, monitoring

503. Lorain, Christine C. 1991. Study plan: long-term demographic and community monitoring of *Cornus nuttallii* (Pacific dogwood), in Idaho. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 7 p. plus appendices.

*Cornus nuttallii*

Monitoring

504. Lorain, Christine C.; Moseley, Robert K. 1989. Field investigation of *Mimulus clivicola* (bank monkeyflower), a Region 1 sensitive species, on the Clearwater and Nez Perce National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 15 p. plus appendices.

*Mimulus clivicola*  
Status survey

505. Lorain, Christine C.; Moseley, Robert K. 1990. Continued field investigations of *Mimulus clivicola* (bank monkeyflower). Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

*Mimulus clivicola*  
Status survey

506. Love, Askell; Love, Doris. 1966. The variation of *Blechnum spicant*. *Botanisk Tidsskrift*. 62: 186-196.

*Blechnum spicant*  
Taxonomy

507. Love, Doris. 1969. *Papaver* at high elevations in the Rocky Mountains. *Brittonia*. 21: 1-10.

*Papaver kluanense*  
Distribution, taxonomy

508. Lovis, J. D. 1964. The taxonomy of *Asplenium trichomanes* in Europe. *British Fern Gazette*. 9: 147-160.

*Asplenium trichomanes*  
Taxonomy

509. Luken, J. O.; Billings, W. D.; Peterson, K. M. 1985. Succession and biomass allocation as controlled by *Sphagnum* in an Alaskan peatland. *Canadian Journal of Botany*. 63(9): 1500-1507.

*Andromeda polifolia*  
Community ecology

510. Luoma, Daniel L. 1987. Synecology of the Monotropoideae within Limpy Rock Research Natural Area, Umpqua National Forest, Oregon. Corvallis, OR: Oregon State University. 99 p. Thesis.

*Allotropa virgata*  
Community ecology

511. Magrath, Lawrence K. 1971. Native orchids of Kansas. *Transactions of the Kansas Academy of Science*. 74(3-4): 287-309.

*Corallorrhiza wisteriana*, *Cypripedium calceolus parviflorum*  
Distribution

512. Magrath, Lawrence K.; Norman, James L. 1989. Nomenclatural notes on *Calopogon*, *Corallorrhiza*, and *Cypripedium* (Orchidaceae) in the Great Plains region. *Sida*. 13(3): 371-372.

*Cypripedium calceolus parviflorum*  
Taxonomy

513. Magrath, Lawrence K.; Weedon, Ronald R. 1974. New and interesting plants from the Central Plains States. *Rhodora*. 76: 489-490.

*Corallorrhiza wisteriana*  
Distribution

514. Maguire, Bassett. 1939. Distribution notes concerning plants of Glacier National Park, Montana - II. *Rhodora*. 41: 504-508.

*Eriophorum viridicarinatum*, *Habenaria obtusata*, *Scirpus hudsonianus*, *Scirpus subterminalis*  
Distribution

515. Mallik, A. U.; Wein, Ross W. 1986. Response of a *Typha* marsh community to draining, flooding, and seasonal burning. *Canadian Journal of Botany*. 64: 2136-2143.

*Epilobium palustre*  
Community ecology

516. Mancuso, Michael. 1991. Field investigation of *Epipactis gigantea* (giant helleborine), a Region 4 sensitive species, on the Payette National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 13 p. plus appendices.

*Epipactis gigantea*  
Status survey

517. Mancuso, Michael. 1991. Field investigation of *Haplopappus radiatus*, a Region 4 sensitive species, on the Payette National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

*Haplopappus radiatus*  
Status survey

518. Mancuso, Michael; Moseley, Robert K. 1990. Field investigations of *Astragalus jejunus* (starveling milkvetch), *Cryptantha breviflora* (Uinta Basin cryptanth) and *Eriogonum brevicaule* var. *laxifolium* (varying buckwheat) on the Caribou National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 25 p. plus appendices.

*Astragalus jejunus, Cryptantha breviflora*  
Status survey

519. Mancuso, Michael; Moseley, Robert K. 1990. Field investigation of *Astragalus vexilliflexus* var. *nubilus* (White Cloud milkvetch), a Region 4 sensitive species, on the Sawtooth National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Idaho Natural Heritage Program, Boise, ID. 12 p. plus appendices.

*Astragalus vexilliflexus nubilus*  
Status survey

520. Mancuso, Michael; Moseley, Robert K. 1990. Field investigation of *Chrysanthus parryi* ssp. *montanus*, a Region 4 sensitive species, on the Targhee National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 11 p. plus appendices.

*Chrysanthus parryi montanus*  
Status survey

521. Mancuso, Michael; Moseley, Robert K. 1991. Field investigation of *Erythronium grandiflorum* var. *nudipetalum* (Bear Valley fawn lily) on the Boise and Challis National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 13 p. plus appendices.

*Erythronium grandiflorum nudipetalum*  
Status survey

522. Mancuso, Michael; Moseley, Robert K. 1991. Report on the conservation status of *Astragalus anserinus*, in Idaho and Utah. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 33 p. plus appendices.

*Astragalus anserinus*  
Status survey

523. Mancuso, Michael; Moseley, Robert K. 1991. Report on the conservation status of

*Penstemon idahoensis*, in Idaho and Utah. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 30 p. plus appendices.

*Penstemon idahoensis*  
Status survey

524. Mancuso, Michael; Moseley, Robert K. 1991. Summary of 1991 surveys for threatened, endangered, and sensitive plants in the Hells Canyon National Recreation Area. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 13 p. plus appendices.

*Allium tolmiei platyphyllum, Calochortus nitidus, Erigeron engelmannii davisii, Lomatium rollinsii, Mimulus clivicola, Mimulus washingtonensis ampliatus, Mirabilis macfarlanei, Pediocactus simpsonii robustior, Penstemon elegantulus, Rubus bartonianus*

Status survey

525. Marcks, Brian G. 1974. Preliminary reports on the flora of Wisconsin No. 66. Cyperaceae II - sedge family II. The genus *Cyperus* - the umbrella sedges. Transactions of the Wisconsin Academy of Sciences, Arts and Letters. 62: 261-284.

*Cyperus rivularis*  
Distribution

526. Marriott, Hollis. 1986. Status report for *Antennaria arcuata*. Prepared for: Rocky Mountain Heritage Task Force. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 42 p. plus appendices.

*Antennaria arcuata*  
Status survey

527. Marriott, Hollis. 1986. Status report for *Claytonia lanceolata* var. *flava*. Prepared for: Rocky Mountain Heritage Task Force. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 42 p. plus appendices.

*Claytonia lanceolata flava*  
Status survey

528. Marriott, Hollis. 1989. *Claytonia lanceolata* var. *flava*. In: Clark, Tim W.; Harvey, Ann H.; Dorn, Robert D.; Genter, David L.; Groves, Craig, eds. Rare, sensitive, and threatened species of the Greater

Yellowstone Ecosystem. Jackson, WY: Northern Rockies Conservation Cooperative, Montana Natural Heritage Program, The Nature Conservancy, and Mountain West Environmental Services. 153 p.

*Claytonia lanceolata flava*  
Status survey

529. Marsh, C. Dwight; Clawson, A. B. 1920. *Astragalus tetrapherterus*, a new poisonous plant of Utah and Nevada. Dep. Circ. 81. Contribution from the Bureau of Animal Industry. Washington, DC: U.S. Department of Agriculture. 7 p.

*Astragalus tetrapherterus*  
Distribution, taxonomy

530. Marshall, J. D.; Waring, R. H. 1984. Conifers and broadleaf species: stomatal sensitivity differs in western Oregon. Canadian Journal of Forest Research. 14(6): 905-908.

*Cornus nuttallii*  
Community ecology, distribution

531. Mason, W. R. M.; Shewell, G. E.; Cody, W. J. 1972. A plant collection from the southern interior of Banks Island, N.W.T. The Canadian Field-Naturalist. 86(4): 363-367.

*Kobresia bellardii*, *Parnassia kotzebuei kotzebuei*, *Ranunculus pygmaeus*, *Salix glauca*  
Distribution

532. Mathias, Mildred E. 1930. Studies in the Umbelliferae. III. A monograph of *Cymopterus* including a critical study of related genera. Annals of the Missouri Botanical Garden. 17(3/4): 213-476.

*Musineon lineare*  
Taxonomy

533. Mathias, Mildred E. 1938. A revision of the genus *Lomatium*. Annals of the Missouri Botanical Garden. 25: 225-297.

*Tauschia tenuissima*  
Distribution, taxonomy

534. Mathias, Mildred E.; Constance, Lincoln. 1973. Another look at *Leibergia* Coulter. & Rose (Umbelliferae). Madroño. 22: 71-73.

*Tauschia tenuissima*  
Taxonomy

535. Mattson, John David. 1984. Classification and environmental relationships of wetland vegetation in central Yellowstone National Park. Moscow, ID: University of Idaho. 409 p. Thesis.

*Carex buxbaumii*, *Carex livida*  
Community ecology

536. Mayes, Richard Alan. 1976. A cytotoxicological and chemosystematic study of the genus *Pyrrocoma* (Asteraceae, Astereae). Austin, TX: University of Texas. 203 p. Dissertation.

*Haplopappus hirtus sonchifolius*, *Haplopappus insecticruris*, *Haplopappus integrifolius*, *Haplopappus liatiformis*, *Haplopappus radiatus*, *Haplopappus uniflorus howellii*  
Taxonomy

537. McArthur, E. Durant; Sanderson, Stewart C. 1985. A cytotoxicological contribution to the western North American Rosaceous flora. Madroño. 32(1): 24-28.

*Peraphyllum ramosissimum*  
Genetics, taxonomy

538. McDonald, Geral I. 1979. Resistance of western white pine to blister rust: a foundation for integrated control. Res. Note INT-252. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 5 p.

*Ribes sanguineum*  
Management techniques

539. McFall, Donald; Jones, Michael. 1972. Some interesting fern finds and records in northern Illinois. American Fern Journal. 62(2): 47-48.

*Botrychium simplex*  
Distribution

540. McNeal, Dale W. 1991. Report on the genus *Allium* in the Ochoco and Malheur National Forests, Oregon, with keys to the known and expected species and a key to *Allium* in eastern Oregon. Unpublished report prepared for the U.S. Department of Agriculture, Forest Service, Ochoco National Forest, on file at: Idaho Department of Fish and Game, Idaho Natural Heritage Program, Boise, ID.

*Allium madidum*, *Allium punctum*, *Allium tolmiei persimile*, *Allium tolmiei platyphyllum*, *Allium validum*  
Taxonomy

541. McNeill, J. 1978. *Silene alba* and *S. dioica* in North America and the generic delimitation of *Lychnis*, *Melandrium*, and *Silene* (Caryophyllaceae). Canadian Journal of Botany. 56(3): 297-308.

*Lychnis apetala montana*  
Taxonomy

542. Meinke, Robert J. 1978. Notes on the rare, threatened, and endangered vascular plants of northeast Oregon. I. Baker County and adjacent areas: 1976-1978. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Baker, OR. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 209 p.

Multispecies  
Distribution

543. Meinke, Robert J. 1980. Notes on the rare, threatened, and endangered vascular plants of northeast Oregon. II. Supplement 1979. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Baker, OR. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 112 p.

Multispecies  
Distribution

544. Meinke, Robert J. 1982. Threatened and endangered vascular plants of Oregon: an illustrated guide. Portland, OR: U.S. Fish and Wildlife Service. 352 p.

Multispecies  
Status survey

545. Meinke, Robert J. 1988. *Leptodactylon pungens* subsp. *hazeliae* (Polemoniaceae), a new combination for a Snake River Canyon endemic. Madroño. 35(2): 105-111.

*Leptodactylon glabrum*, *Leptodactylon pungens* *hazeliae*  
Distribution, taxonomy

546. Meinke, Robert J.; Leary, Patrick J.; Kierstead, Julie. 1986. Noteworthy collections: Oregon. Madroño. 33(3): 228-230.

*Allium tolmiei persimile*, *Allium tolmiei platyphyllum*  
Distribution

547. Messner, Renee M. 1980. *Epipactis gigantea*. Environment Southwest. 490(Summer): 24-27.

*Epipactis gigantea*  
Distribution

548. Mexal, John; Martin, William C. 1977. Chemotaxonomy of *Ribes*. The Southwest Naturalist. 21(4): 523-530.

*Ribes wolfii*  
Taxonomy

549. Miles, D. W. R.; Swanson, F. J. 1986. Vegetation composition on recent landslides in the Cascade Mountains of western Oregon. Canadian Journal of Forest Research. 16(4): 739-744.

*Trientalis latifolia*  
Community ecology

550. Miller, Norton G. 1990. The management of rare plants: suggestions derived from paleo-ecological studies of late-Pleistocene floras. In: Mitchell, Richard S.; Sheviak, Charles J.; Leopold, Donald J., eds. Ecosystem management: rare species and significant habitats: Proceedings of the 15th annual Natural Areas conference; 1990 June 6-9; Syracuse, NY. New York State Museum, Bull. 471. Albany, NY: The University of the State of New York: 159-162.

*Elaeagnus commutata*  
Management techniques

551. Miller, Thomas B. 1976. Ecology of riparian communities dominated by white alder in western Idaho. Moscow, ID: University of Idaho. 154 p. Thesis.

*Camassia cusickii*, *Rubus bartonianus*  
Community ecology

552. Migrone, Louis Vincent. 1968. A comparative study of the *Allium falcifolium* alliance. Pullman, WA: Washington State University. 180 p. Dissertation.

*Allium aaseae*, *Allium tolmiei persimile*, *Allium tolmiei platyphyllum*  
Taxonomy

553. Monsen, Stephen B.; Davis, James N. 1985. Progress in the improvement of selected western North American Rosaceous shrubs.

In: Proceedings, 38th annual meeting of Society for Range Management; 1985 February 11-15; Salt Lake City, UT. Denver, CO: Society for Range Management: 201-209.

*Peraphyllum ramosissimum*  
Community ecology, distribution

554. Monson, Russell K.; Williams, George J., III. 1982. A correlation between photosynthetic temperature adaptation and seasonal phenology patterns in the shortgrass prairie. *Oecologia*. 54(1): 58-62.

*Bouteloua gracilis, Carex stenophylla*  
Community ecology

555. Montana Natural Heritage Program. [n.d.]. Conservation strategy: *Howellia aquatilis*. On file with: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged. Draft.

*Howellia aquatilis*  
Management techniques, status survey

556. Moran, Robbin C. 1982. The *Asplenium trichomanes* complex in the United States and adjacent Canada. *American Fern Journal*. 72(1): 5-11.

*Asplenium trichomanes*  
Taxonomy

557. Morgenson, Greg. 1990. Pregermination treatment and stratification of silverberry seed. *Tree Planter's Notes*. 41(1): 24-25.

*Elaeagnus commutata*  
Biology

558. Morton, J. K.; Rabeler, R. K. 1989. Biosystematic studies on the *Stellaria calycantha* (Caryophyllaceae) complex. I. Cytology and cytogeography. *Canadian Journal of Botany*. 67(1): 121-127.

*Stellaria calycantha calycantha*  
Taxonomy

559. Moseley, Bob. 1989. Hells Canyon primer: "P" is for plants. *Idaho Wildlife*. 9(2) [Spring]: 7.

*Lomatium rollinsii, Mirabilis macfarlanei*  
Distribution

560. Moseley, Robert K. 1987. National Natural Landmark evaluation: Little Granite Creek (Idaho). Prepared for: U.S. Department of the Interior, National Park Service, Seattle,

WA. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 23 p. plus appendices.

*Halimolobos perplexa perplexa, Leptodactylon pungens hazeliae, Rubus bartonianus*  
Distribution

561. Moseley, Robert K. 1988. Field investigation of *Calamagrostis tweedyi*, a Region 4 sensitive species, on the Payette National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 10 p. plus appendices.

*Calamagrostis tweedyi*  
Status survey

562. Moseley, Robert K. 1988. Field investigation of *Douglasia idahoensis*, a Region 4 sensitive species, on the Payette and Boise National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 8 p. plus appendices.

*Douglasia idahoensis*  
Status survey

563. Moseley, Robert K. 1988. Field investigations of three sensitive plant species endemic to the Stanley Basin area, Sawtooth National Forest: *Draba trichocarpa* Rollins, *Thlaspi aileeniae* Rollins, *Eriogonum meledonum* sp. nov. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 18 p. plus appendices.

*Draba trichocarpa, Eriogonum meledonum, Thlaspi aileeniae*  
Status survey

564. Moseley, Bob. 1988. Species management guide for *Lomatium rollinsii*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 9 p. plus appendices.

*Lomatium rollinsii*  
Management techniques, status survey

565. Moseley, Robert K. 1989. Field investigation of *Allium validum* (tall swamp onion), a Region 4 sensitive species, on the Boise National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 8 p. plus appendices.

*Allium validum*  
Status survey

566. Moseley, Robert K. 1989. Field investigations of *Allium validum* (tall swamp onion) and *Douglasia idahoensis* (Idaho douglasia), Region 1 sensitive species, on the Nez Perce National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

*Allium validum, Douglasia idahoensis*  
Status survey

567. Moseley, Robert K. 1989. Field investigations of *Erigeron salmonensis* and *Hackelia davisii* on the Salmon National Forest, with notes on *Epipactis gigantea*, *Halimolobos perplexa* var. *lemhiensis*, and *Ribes velutinum* var. nov. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 14 p. plus appendices.

*Epipactis gigantea, Erigeron salmonensis, Hackelia davisii*  
Status survey

568. Moseley, Robert K. 1989. Field investigations of four *Astragalus*, all Region 4 sensitive species, on the Salmon National Forest, with notes on two others. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 23 p. plus appendices.

*Astragalus amblytropis, Astragalus amnis-amissi, Astragalus aquilonius, Astragalus giliviflorus*  
Status survey

569. Moseley, Robert K. 1989. Field investigations of *Leptodactylon pungens* ssp. *hazeliae* (Hazel's prickly phlox) and *Mirabilis macfarlanei* (Macfarlane's four-o'clock), Region 4 sensitive species, on the Payette National Forest, with notes on *Astragalus vallaris* (Snake Canyon milkvetch) and *Rubus bartonianus* (bartonberry). Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 16 p. plus appendices.

*Astragalus vallaris, Leptodactylon pungens hazeliae, Mirabilis macfarlanei, Rubus bartonianus*  
Status survey

570. Moseley, Robert K. 1989. Field investigations of *Saxifraga bryophora* var. *tobiasiae* (Tobias' saxifrage) a Region 4 sensitive species, on the Payette National Forest, with

notes on *Campanula scabrella* (rough bell-flower). Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 13 p. plus appendices.

*Saxifraga bryophora tobiasiae*  
Status survey

571. Moseley, Robert K. 1989. Field investigations of seven rare alpine plant species in the southern Lemhi Range and Beaverhead Mountains, Dubois Ranger District, Targhee National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 33 p. plus appendices.

*Cymopterus douglassii, Cymopterus ibapensis, Erigeron humilis, Lychnis apetala montana, Papaver kluanense, Saxifraga cernua*  
Status survey

572. Moseley, Robert K. 1989. Field investigations of 16 rare plant taxa occurring in wetlands on the Bonners Ferry Ranger District, Idaho Panhandle National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 75 p. plus appendices.

Multispecies  
Status survey

573. Moseley, Robert K. 1989. National Natural Landmark evaluation: Little Jacks Creek Research Natural Area (Idaho). Prepared for: U.S. Department of the Interior, National Park Service, Seattle, WA. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 22 p.

*Artemisia packardiae*  
Status survey

574. Moseley, Robert K. 1989. Report on the conservation status of *Astragalus mulfordiae* in Idaho. Prepared for: Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 31 p. plus appendices.

*Astragalus mulfordiae*  
Status survey

575. Moseley, Robert K. 1989. Report on the conservation status of *Claytonia lanceolata* var. *flava* in Idaho. Prepared for: Idaho Department of Parks and Recreation. Unpublished

report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 20 p. plus appendices.

*Claytonia lanceolata flava*  
Status survey

576. Moseley, Robert K. 1989. Report on the conservation status of *Phacelia inconspicua* in Idaho. Prepared for: Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 18 p. plus appendices.

*Phacelia inconspicua*  
Status survey

577. Moseley, Robert K. 1989. Report on the conservation status of *Primula alcalina*, a proposed Candidate species. Prepared for: Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 32 p. plus appendices.

*Primula alcalina*  
Status survey

578. Moseley, Robert K. 1990. Field investigations of eight rare plant taxa occurring in wetlands on the Sandpoint Ranger District, Idaho Panhandle National Forests. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 42 p. plus appendices.

*Carex flava, Cicuta bulbifera, Dryopteris cristata, Hypericum majus, Lycopodium inundatum, Petasites sagittatus, Salix candida, Scirpus cyperinus*  
Status survey

579. Moseley, Robert K. 1990. Report on the conservation status of *Carex aboriginum*, in Idaho. Prepared for Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 17 p. plus appendices.

*Carex aboriginum*  
Status survey

580. Moseley, Robert K. 1990. Report on the conservation status of *Douglasia idahoensis*, in Idaho. Prepared for: Idaho Department of Parks and Recreation. Unpublished report on file at: Idaho Department of Fish and

Game, Conservation Data Center, Boise, ID. 34 p. plus appendices.

*Douglasia idahoensis*  
Status survey

581. Moseley, Robert K. 1990. Results of the 1989 search of regional herbaria for location information pertaining to Idaho's rare flora: the fourth generation search. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 12 p. plus appendices.

Multispecies  
Distribution

582. Moseley, Robert K. 1990. Vegetation map of the proposed Rocky Comfort Flat Research Natural Area, Payette National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 13 p. plus appendices.

*Allium tolmiei persimile*  
Community ecology

583. Moseley, Robert K. 1991. A field investigation of park milkvetch (*Astragalus leptaleus*) in Idaho. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 12 p. plus appendices.

*Astragalus leptaleus*  
Status survey

584. Moseley, Robert K. 1991. Threatened, endangered and sensitive plant inventory of the Bear River Range, Caribou National Forest: second year results. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 20 p. plus appendices.

*Asplenium viride, Cryptantha caespitosa, Cypripedium fasciculatum, Musineon lineare, Penstemon compactus, Stipa viridula*  
Status survey

585. Moseley, Robert K.; Bernatas, Susan. 1991. A floristic and vegetation survey of Lucile Caves Area of Critical Environmental Concern, Coeur d' Alene District, BLM. Tech. Bull. 91-3. Boise, ID: U. S. Department of the Interior, Bureau of Land Management, Idaho State Office. 31 p. plus appendices. Also on file at: Idaho Department of Fish

and Game, Conservation Data Center, Boise, ID.

*Epipactis gigantea, Erigeron engelmannii davisii, Lomatium rollinsii, Mirabilis macfarlanei*  
Community ecology, management techniques, status survey

586. Moseley, Robert, K.; Bernatas, Susan. 1991. Confirmation of *Pentagramma triangularis* in Idaho. American Fern Journal. 81(1): 66-67.

*Pityrogramma triangularis*  
Distribution

587. Moseley, Robert K.; Bernatas, Susan. 1992. A botanical inventory of the Kane Lake cirque, Pioneer Mountains, Idaho, including management recommendations for rare plant populations. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 22 p. plus appendices.

*Carex incurviformis, Draba fladnizensis, Erigeron humilis, Parnassia kotzebuei kotzebuei, Potentilla nivea, Ranunculus gelidus, Ranunculus pygmaeus, Saxifraga adscendens oregonensis, Saxifraga cernua*  
Distribution

588. Moseley, Robert K.; Bursik, Robert; Mancuso, Michael. 1991. Floristic inventory of wetlands in Fremont and Teton counties, Idaho. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 60 p. plus appendices.

Multispecies  
Status survey

589. Moseley, Robert K.; Caicco, Steven L. 1989. Status and distribution of Aase's onion (*Allium aaseae*), a Federal candidate species, on Ada County lands in Seaman Gulch. Prepared for: Ada County Solid Waste Management. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 6 p. plus appendices.

*Allium aaseae*  
Status survey

590. Moseley, Robert; Groves, Craig, compilers. 1990. Rare, threatened and endangered plants and animals of Idaho. Boise, ID: Idaho Department of Fish and Game, Conservation Data Center. 33 p.

Multispecies  
Distribution

591. Moseley, Robert K.; Mancuso, Michael. 1990. Field investigations of three sensitive plant species on the Payette National Forest: *Allium tolmiei* var. *persimile*, *Castilleja oresbia*, and *Penstemon elegantulus*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 21 p. plus appendices.

*Allium tolmiei persimile, Castilleja oresbia, Penstemon elegantulus*  
Status survey

592. Moseley, Robert K.; Mancuso, Michael. 1990. Long-term demographic monitoring of two Stanley Basin endemics, *Draba trichocarpa* and *Eriogonum meledonum*. I. Monitoring establishment and first-year results. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 12 p. plus appendices.

*Draba trichocarpa, Eriogonum meledonum*  
Biology, monitoring

593. Moseley, Robert K.; Mancuso, Michael. 1990. Threatened, endangered, and sensitive plant inventory of the Bear River Range, Caribou National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 25 p. plus appendices.

*Asplenium viride, Musineon lineare, Penstemon compactus*  
Status survey

594. Moseley, Robert K.; Mancuso, Michael; Caicco, Steven L. 1990. Field investigations of two sensitive plant species on the Salmon National Forest: *Phacelia lyallii* and *Physaria didymocarpa* var. *lyrata*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 17 p. plus appendices.

*Phacelia lyallii, Physaria didymocarpa lyrata*  
Status survey

595. Moseley, Robert K.; Mancuso, Michael; Hilty, Julie. 1990. Field investigation and status survey of *Penstemon lemhiensis* (Lemhi penstemon) in Idaho. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 17 p. plus appendices.

*Penstemon lemhiensis*  
Status survey

596. Moseley, Robert K.; Mancuso, Michael. 1991. Long-term demographic monitoring of two Stanley Basin endemics, *Draba trichocarpa* and *Eriogonum meledonum*. II. Second-year results. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 11 p. plus appendices.

*Draba trichocarpa, Eriogonum meledonum*  
Monitoring

597. Moss, E. H. 1955. The vegetation of Alberta. *The Botanical Review*. 21(9): 493-567.

*Bouteloua gracilis, Ledum groenlandicum, Saxifraga cernua*  
Community ecology

598. Mozingo, Hugh N.; Williams, Margaret. 1980. Threatened and endangered plants of Nevada. Portland, OR: U.S. Fish and Wildlife Service; Reno, NV: U.S. Department of the Interior, Bureau of Land Management. 268 p.

Multispecies  
Distribution

599. Muhsin, Tawfik M.; Booth, Tom. 1987. Fungi associated with halophytes of an inland salt marsh, Manitoba, Canada. *Canadian Journal of Botany*. 65(6): 1137-1151.

*Salicornia rubra*  
Community ecology

600. Muir, Patricia S.; McCune, Bruce. [n.d.]. A dial quadrat for mapping herbaceous plants. Unpublished manuscript on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 8 p.

*Primula alcalina*  
Monitoring

601. Muller, Mary Clay. 1981. Range extensions for two lycopods on Baranof Island, southeastern Alaska. *American Fern Journal*. 71(1): 31.

*Lycopodium inundatum*  
Distribution

602. Mulligan, Gerald A. 1968. *Physaria didymocarpa*, *P. brassicoides*, and *P. floribunda* (Cruciferae) and their close relatives. *Canadian Journal of Botany*. 46: 735-740.

*Physaria didymocarpa lyrata*  
Taxonomy

603. Mulligan, Gerald A. 1972. Cytotaxonomic studies of *Draba* species in Canada and Alaska: *D. oligosperma* and *D. incerta*. *Canadian Journal of Botany*. 50: 1763-1766.

*Draba incerta*  
Taxonomy

604. Mulligan, Gerald A. 1974. Cytotaxonomic studies of *Draba nivalis* and its close allies in Canada and Alaska. *Canadian Journal of Botany*. 52(8): 1793-1802.

*Draba fladnizensis*  
Distribution, taxonomy

605. Mulligan, Gerald A. 1980. The genus *Cicuta* in North America. *Canadian Journal of Botany*. 58: 1755-1767.

*Cicuta bulbifera*  
Distribution, taxonomy

606. Mutz, Kathryn M.; Queiroz, Joao. 1983. Riparian community classification for the Centennial Mountains and South Fork Salmon River, Idaho. Layton, UT: Meiji Resource Consultants. 170 p.

*Carex buxbaumii*  
Community ecology

607. Myers, R. M. 1975. Additions to the flora of McDonough County, Illinois. *Transactions of the Illinois State Academy of Science*. 68(1): 41-43.

*Cyperus rivularis*  
Distribution

608. Neely, Elizabeth E.; Barkworth, Mary E. 1984. Vegetation on soils derived from dolomite and quartzite in the Bear River Range, Utah: a comparative study. *Bulletin of the Torrey Botanical Club*. 111(2): 179-192.

*Penstemon compactus*  
Community ecology

609. Nekola, Jeffery C. 1990. Rare Iowa plant notes from the R. V. Drexler Herbarium. *Journal of the Iowa Academy of Science*. 97(1): 55-73.

*Cypripedium calceolus parviflorum, Lycopodium inundatum, Salix candida*  
Distribution

610. Nelson, Aven; Macbride, J. Francis. 1913. Western plant studies II. *Botanical Gazette*. 56: 469-479.

*Calochortus macrocarpus maculosus*, *Epipactis gigantea*, *Lepidium papilliferum*  
Taxonomy

611. Nesom, Guy L. 1990. Taxonomic summary of *Ericameria* (Asteraceae: Astereae), with the inclusion of *Haplopappus* sects. *Macronema* and *Asiris*. *Phytologia*. 68(2): 144-155.

*Haplopappus bloomeri*  
Taxonomy

612. Nesom, Guy L.; Morgan, David R. 1990. Reinstatement of *Tonestus* (Asteraceae: Astereae). *Phytologia*. 68(3): 174-180.

*Haplopappus aberrans*  
Taxonomy

613. Nicholson, Barbara J.; Vitt, Dale H. 1990. The paleoecology of a peatland complex in continental western Canada. *Canadian Journal of Botany*. 68(1): 121-138.

*Andromeda polifolia*, *Carex chordorrhiza*, *Carex paupercula*, *Salix pedicellaris*  
Community ecology

614. Nickrent, Daniel L.; Musselman, Lytton J.; Pitchford, Laura A.; Sampson, David W. 1978. The distribution and ecology of *Dryopteris* in southeastern Virginia and adjacent North Carolina. *American Fern Journal*. 68(2): 45-51.

*Dryopteris cristata*  
Distribution

615. Nobel, Park S. 1981. Influence of freezing temperatures on a cactus, *Coryphantha vivipara*. *Oecologia*. 48: 194-198.

*Coryphantha vivipara*  
Biology

616. Nobel, Park S. 1982. Low-temperature tolerance and cold hardening of cacti. *Ecology*. 63(6): 1650-1656.

*Coryphantha vivipara*, *Pediocactus simpsonii robustior*  
Biology

617. Norman, Frank; Martin, Craig E. 1986. Effects of spine removal on *Coryphantha vivipara* in central Kansas. *American Midland Naturalist*. 116(1): 118-124.

*Coryphantha vivipara*  
Biology

618. Northern, Rebecca Tyson. 1984. *Epipactis gigantea*. *Pacific Horticulture*. 47(4): 31-32.

*Epipactis gigantea*  
Management techniques

619. Odasz, Ann Marie. 1986. Distributions of 40 rare vascular plants in the Alatna River drainage of the central Brooks Range, Alaska. *Northwest Science*. 60(2): 104-107.

*Cypripedium calceolus parviflorum*, *Gentiana propinqua*  
Distribution

620. Olsen, Orvil A. 1976. A fern, *Polystichum braunii* ssp. *purshii*, new to Labrador. *The Canadian Field-Naturalist*. 90(4): 490.

*Polystichum braunii*  
Distribution

621. Oregon Natural Heritage Data Base. 1983. Rare, threatened, and endangered plants and animals of Oregon. Portland, OR: Oregon Chapter of The Nature Conservancy. 31 p.

Multispecies  
Distribution

622. Oregon Natural Heritage Data Base. 1985. Rare, threatened and endangered plants and animals of Oregon. Portland, OR: Oregon Natural Heritage Data Base. 31 p.

Multispecies  
Distribution

623. Oregon Natural Heritage Data Base. 1989. Rare, threatened and endangered plants and animals of Oregon. Portland, OR: Oregon Natural Heritage Data Base. 40 p.

Multispecies  
Distribution

624. Oregon Natural Heritage Program. 1991. Rare, threatened and endangered plants and animals of Oregon. Portland, OR: Oregon Natural Heritage Program. 64 p.

Multispecies  
Distribution

625. Orme, Mark L.; Leege, Thomas A. 1980. Phenology of shrubs on a north Idaho elk range. *Northwest Science*. 54(3): 187-198.

*Cornus nuttallii*  
Community ecology

626. Orton, Elwin R., Jr. 1974. Breeding programs for dogwoods. *Plants and Gardens*. 30(1): 62-63.

*Cornus nuttallii*  
Genetics

627. Owen, Wayne R.; Rosentreter, R. 1992. Monitoring perennial plants: techniques for demographic studies. *Natural Areas Journal*. 12(1): 32-38.

*Allium aaseae, Astragalus amblytropis*  
Monitoring

628. Ownbey, Gerald B.; Smith, Welby R. 1988. New and noteworthy plant records for Minnesota. *Rhodora*. 90(864): 369-377.

*Saxifraga cernua*  
Distribution

629. Ownbey, Marion. 1940. Monograph of the genus *Calochortus*. *Annals of the Missouri Botanical Garden*. 27(4): 371-560.

*Calochortus macrocarpus maculosus, Calochortus nitidus*  
Taxonomy

630. Ownbey, Marion. 1948. The identity and delimitation of *Allium tolmiei* Baker. *Madroño*. 9: 233-238.

*Allium tolmiei platyphyllum*  
Taxonomy

631. Ownbey, Marion. 1950. The genus *Allium* in Idaho. *Research Studies of the State College of Washington*. 18(1): 3-39.

*Allium aaseae, Allium tolmiei persimile, Allium tolmiei platyphyllum, Allium validum*  
Distribution, taxonomy

632. Packard, Patricia L. [n.d.]. Status report for *Phlox idahonis*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 7 p.

*Phlox idahonis*  
Status survey

633. Packard, Patricia L. [n.d.]. Status report for *Tofieldia glutinosa* var. *absona*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 7 p.

*Tofieldia glutinosa absona*  
Status survey

634. Packard, Patricia L. 1978. Status report for *Astragalus amnis-amissi*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 5 p.

*Astragalus amnis-amissi*  
Status survey

635. Packard, Patricia L. 1978. Status report for *Astragalus atratus* var. *inseptus*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 6 p.

*Astragalus atratus inseptus*  
Status survey

636. Packard, Patricia L. 1978. Status report for *Cardamine constancei*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 6 p.

*Cardamine constancei*  
Status survey

637. Packard, Patricia L. 1978. Status report for *Dasynotus daubenmirei*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 6 p.

*Dasynotus daubenmirei*  
Status survey

638. Packard, Patricia L. 1978. Status report for *Thelypodium repandum*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 5 p.

*Thelypodium repandum*  
Status survey

639. Packard, Patricia L. 1979. Status report for *Allium aaseae*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 11 p.

*Allium aaseae*  
Status survey

640. Packard, Patricia L. 1979. Status report for *Antennaria arcuata*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 7 p.

*Antennaria arcuata*  
Status survey

641. Packard, Patricia L. 1979. Status report for *Erigeron latus*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 7 p.

*Erigeron latus*  
Status survey

642. Packard, Patricia L. 1979. Status report for *Hackelia davisii*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 6 p.

*Hackelia davisii*  
Status survey

643. Packard, Patricia L. 1979. Status report for *Halimolobos perplexa* var. *perplexa*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 6 p.

*Halimolobos perplexa perplexa*  
Status survey

644. Packard, Patricia L. 1979. Status report for *Lepidium davisii*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 7 p.

*Lepidium davisii*  
Status survey

645. Packard, P. L.; Grimes, J. W.; Smithman, L. C.; Smithman, J. E.; Ralston, G. L.; Ralston, S. J. 1979. Inventory of threatened and endangered plants located in the Twin Falls Planning Unit. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Burley District, Burley, ID. Unpublished report on file at Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 57 p.

*Allium anceps*, *Astragalus tetraphyllum*, *Cymopterus corrugatus*, *Eriogonum douglasii douglasii*, *Glyptopleura marginata*, *Lepidium davisii*, *Mentzelia torreyi acerosa*, *Scutellaria nana*  
Status survey

646. Packard, P. L.; Grimes, J. W.; Smithman, L. C.; [and others]. 1980. Distribution of *Astragalus purshii* var. *ophiogenes*. Prepared for: Idaho Power Company, Boise, ID. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 23 p.

*Astragalus purshii ophiogenes*  
Status survey

647. Packard, Patricia L.; Smithman, Lynda C. 1984. Threatened and endangered species training and inventory project, *Astragalus oniciformis* Barneby. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Shoshone District, Shoshone, ID. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 21 p.

*Astragalus oniciformis*  
Status survey

648. Packer, John G.; Vitt, Dale H. 1974. Mountain Park: a plant refugium in the Canadian Rocky Mountains. Canadian Journal of Botany. 52: 1393-1409.

*Telesonix jamesii*  
Distribution

649. Padgett, Wayne G.; Youngblood, Andrew P.; Winward, Alma H. 1989. Riparian community type classification of Utah and southeastern Idaho. R4-Ecol-89-01. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Region. 191 p.

*Carex buxbaumii*  
Community ecology

650. Paelinckx, D.; DeBaere, D.; van Straaten, D.; Verheyen, R. F. 1987. Application of multivariate analysis and Ellenberg's indicator values in autecology: a case study of *Rhynchospora alba* (L.) Vahl and *R. fusca* (L.) Ait. F. Abstracta Botanica. 11: 27-42.

*Rhynchospora alba*  
Community ecology

651. Page, S. E.; Rieley, J. O. 1985. The ecology and distribution of *Carex chordorrhiza* L. fil. Watsonia. 15: 253-259.

*Carex chordorrhiza*  
Community ecology, distribution

652. Parfitt, Bruce D.; Brown, Gregory K. 1982. New vascular plant records for Arizona. *Journal of the Arizona-Nevada Academy of Science*. 16(3): 96.

*Coryphantha vivipara*  
Distribution

653. Paris, Cathy A. [n.d.]. *Adiantum viridimontanum*, a new maidenhair in eastern North America. Unpublished manuscript on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 11 p.

*Adiantum pedatum* subalpine ecotype  
Taxonomy

654. Paris, Cathy. 1990. [Title not stated]. Unpublished manuscript [*Adiantum* manuscript for Flora of North America project] on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 15 p.

*Adiantum pedatum* subalpine ecotype  
Taxonomy

655. Parker, Tracey. 1986. Ecology of western redcedar groves. Moscow, ID: University of Idaho. 186 p. Dissertation.

*Cardamine constancei*, *Cornus nuttallii*, *Cypripedium fasciculatum*, *Synthyris platycarpa*, *Tellima grandiflora*, *Trientalis latifolia*  
Community ecology

656. Parker, V. T.; Yoder-Williams, M. P. 1989. Reduction of survival and growth of young *Pinus jeffreyi* by an herbaceous perennial, *Wyethia mollis*. *American Midland Naturalist*. 121(1): 105-111.

*Ceanothus prostratus*  
Community ecology

657. Patten, D. T. 1988. Dynamics of the shrub continuum along the Gallatin River in Yellowstone National Park. *Ecology*. 49(6): 1107-1112.

*Salix farriae*  
Community ecology

658. Patterson, Patricia A.; Neiman, Kenneth E.; Tonn, Jonalea R. 1985. Field guide to forest plants of northern Idaho. Gen. Tech. Rep. INT-180. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 246 p.

*Cardamine constancei*, *Synthyris platycarpa*, *Trientalis latifolia*  
Distribution

659. Patterson, Robert; Yoder-Williams, Michael. 1984. *Leptodactylon glabrum*, a new Intermountain species of Polemoniaceae. *Systematic Botany*. 9(3): 261-262.

*Leptodactylon glabrum*  
Distribution, taxonomy

660. Pavek, Diane S. 1991. Update to the report on the conservation status of *Grindelia howellii*, a candidate threatened species. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 66 p.

*Grindelia howellii*  
Status survey

661. Pavek, Diane S.; Schassberger, Lisa Ann. 1990. Status review of *Agoseris lackschewitzii*, U.S.D.A. Forest Service - Region 1, Gallatin National Forest, Montana. Unpublished report on file at: Montana Natural Heritage Program, Helena, MT. 52 p.

*Agoseris lackschewitzii*  
Status survey

662. Peck, James H. 1989. Additions to the Iowa Pteridophyte flora - III. *Journal of the Iowa Academy of Science*. 96(2): 54-56.

*Lycopodium inundatum*  
Distribution

663. Peck, James K.; Nekola, Jeffery; Farrar, Donald R. 1989. Five pteridophytes new to Iowa. *The American Fern Journal*. 79(1): 28-29.

*Lycopodium inundatum*  
Distribution

664. Peck, Morton E. 1936. Six new plants from Oregon. *Proceedings of the Biological Society of Washington*. 49: 109-112.

*Leptodactylon pungens hazeliae*  
Distribution, taxonomy

665. Peck, Morton E. 1945. Some interesting plants of Malheur County, Oregon. Leaflets of Western Botany. 4: 177-186.

*Astragalus kentrophyta jessiae*, *Astragalus mulfordiae*, *Astragalus tetrapherus*, *Camissonia palmeri*, *Cleomella plocasperma*, *Eriogonum ochrocephalum clacareum*, *Lupinus uncialis*, *Mentzelia mollis*  
Distribution, taxonomy

666. Peck, Morton Eaton. 1941. A manual of the higher plants of Oregon. Portland, OR: Binfords and Mort, Publishers. 866 p.

Multispecies  
Distribution, taxonomy

667. Pennell, F. W. 1947. Some hitherto undescribed Scrophulariaceae of the Pacific states. Proceedings of the Academy of Natural Sciences of Philadelphia. 99(162): 155-199.

*Mimulus patulus*, *Mimulus washingtonensis ampliatus*  
Taxonomy

668. Perry, D. A.; Choquette, C.; Schroeder, P. 1987. Nitrogen dynamics in conifer-dominated forests with and without hardwoods. Canadian Journal of Forest Research. 17(11): 1434-1441.

*Cornus nuttallii*  
Community ecology

669. Peterson, K. M.; Billings, W. D. 1982. Growth of alpine plants under controlled drought. Arctic and Alpine Research. 14(3): 189-194.

*Townsendia scapigera*  
Biology

670. Petersen, P. Milan. 1980. Changes of the vascular plant flora and vegetation in a protected Danish mire, Maglemose, 1913-1979. Botanisk Tidsskrift. 75(1): 77-88.

*Andromeda polifolia*  
Community ecology, monitoring

671. Peterson, Paul M.; Annable, Carol R. 1988. Noteworthy collections: Washington. Madroño. 35: 358.

*Eriogonum douglasii douglasii*  
Distribution

672. Pittillo, J. Dan; Brown, Anthony E. 1988. Additions to the vascular flora of the Carolinas. III. The Journal of the Elisha Mitchell Scientific Society. 104(1): 1-18.

*Botrychium simplex*  
Distribution

673. Pohl, Richard W.; Mitchell, Wm. W. 1965. Cytogeography of the rhizomatous American species of *Muhlenbergia*. Brittonia. 17: 107-112.

*Muhlenbergia racemosa*  
Biology

674. Porcher, Richard D., Jr. 1972. New county records for Orchidaceae from the South Carolina coastal plain. Journal of Elisha Mitchell Scientific Society. 88(4): 218-219.

*Corallorrhiza wisteriana*  
Distribution

675. Porcher, Richard D., Jr. 1973. Additions to the recorded distributions of Orchidaceae from the South Carolina coastal plain. Bulletin of the South Carolina Academy of Science. 35: 123.

*Corallorrhiza wisteriana*  
Distribution

676. Porcher, Richard D., Jr. 1974. Some notes and distribution records for Orchidaceae from the South Carolina coastal plain. Journal of the Elisha Mitchell Scientific Society. 90(2): 73-74.

*Corallorrhiza wisteriana*  
Distribution

677. Porsild, A. E. 1938. The cranberry in Canada. The Canadian Field-Naturalist. 52: 116-117.

*Vaccinium oxycoccus*  
Distribution, taxonomy

678. Porsild, A. E. 1939. *Nymphaea tetragona* Georgi in Canada. The Canadian Field-Naturalist. 53: 48-50.

*Nymphaea tetragona*  
Distribution, taxonomy

679. Porter, C. L. 1956. The genus *Peteria* (Leguminosae). Rhodora. 58: 344-354.

*Peteria thompsoniae*  
Taxonomy

680. Porter, C. L. 1964. A flora of Wyoming. Part 3. Bull. 418. Laramie, WY: University of Wyoming, Agricultural Experiment Station. 80 p.

*Agrostis oregonensis*, *Bouteloua gracilis*, *Muhlenbergia racemosa*  
Taxonomy

681. Porter, C. L. 1965. A flora of Wyoming. Part 4. Bull. 434. Laramie, WY: University of Wyoming, Agricultural Experiment Station. 88 p.

*Carex buxbaumii*, *Cypripedium calceolus parviflorum*, *Cypripedium fasciculatum*, *Epipactis gigantea*, *Habenaria obtusata*, *Juncus hallii*, *Kobresia simpliciuscula*, *Scirpus subterminalis*  
Distribution, taxonomy

682. Post, R. L. 1989. Plants for the Lake Tahoe Basin. Squaw carpet (*Ceanothus prostratus*). Fact Sheet 89-69. Reno, NV: Soil Conservation Service and Nevada Cooperative Extension, College of Agriculture, University of Nevada, Reno. 2 p.

*Ceanothus prostratus*  
Biology

683. Powell, A. Michael; Kyhos, Donald W.; Raven, Peter H. 1975. Chromosome numbers in Compositae. XI. Helenieae. American Journal of Botany. 62(10): 1100-1103.

*Eatonella nivea*  
Genetics

684. Prentice, Carol. 1989. Synopsis: 1989 progress report: a study of the life cycle of *Allium aaseae* Ownbey, Aase's onion. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 2 p.

*Allium aaseae*  
Biology

685. Prudhomme, Thomas I. 1983. Carbon allocation to antiherbivore compounds in a deciduous and an evergreen subarctic shrub species. Oikos. 40(3): 344-356.

*Ledum groenlandicum*  
Community ecology

686. Quinn, Mark A.; Walgenbach, D. D. 1990. Influence of grazing history on the community structure of grasshoppers of a mixed-grass prairie. Environmental Entomology. 19(6): 1756-1766.

*Bouteloua gracilis*, *Stipa viridula*  
Community ecology

687. Rabe, Fred W.; Bursik, Robert J.; Cantor, Ellen B. 1990. Classification and monitoring of wetlands in selected areas of the Pacific Northwest. Moscow, ID: University of Idaho. 209 p.

Multispecies  
Community ecology

688. Rabeler, Richard Kevin. 1986. Revision of the *Stellaria calycantha* (Caryophyllaceae) complex and taxonomic notes on the genus. Vols. I and II. East Lansing, MI: Michigan State University. Dissertation Abstracts International. 47(12): 4748-4749.

*Stellaria calycantha calycantha*, *Stellaria oxyphylla*  
Taxonomy

689. Racine, H. Charles; Johnson, Lawrence A.; Viereck, Leslie A. 1987. Patterns of vegetation recovery after tundra fires in northwestern Alaska, U.S.A. Arctic and Alpine Research. 19(4): 461-469.

*Gentiana propinqua*  
Community ecology

690. Ramstetter, Jennifer. 1983. An ecological study of the regional endemic *Penstemon lemhiensis* (Keck) Keck & Cronq. (Scrophulariaceae). Missoula, MT: University of Montana. 116 p. Thesis.

*Penstemon lemhiensis*  
Biology, community ecology

691. Ramstetter, Jennifer; Peterson, Kathleen M. 1984. Pollination biology of *Penstemon lemhiensis* (Keck) Keck & Cronq. In: Abstracts, annual meeting of the Botanical Society of America; 1984 August 5-9; Fort Collins, CO. American Journal of Botany. 71(5 Part 2): 87. Abstract.

*Penstemon lemhiensis*  
Biology

692. Ramstetter, Jennifer; Peterson, Kathleen M. 1984. Rarity in *Penstemon lemhiensis* (Keck) Keck & Cronq. In: Abstracts, annual meeting of the Botanical Society of America; 1984

August 5-9; Fort Collins, CO. American Journal of Botany. 71(5 Part 2): 69. Abstract.

*Penstemon lemhiensis*  
Biology, distribution

693. Randel, Ursula. 1975. The relationships of *Papaver pygmaeum* from the Rocky Mountains to the North American *Papaver kluanense* and other northeast Asiatic representatives of the section *Scapiflora* in comparison with *Papaver alpinum* (Papaveraceae). Feddes Repertorium. 86 (1-2): 19-38.

*Papaver kluanense*  
Taxonomy

694. Rare and Endangered Plants Technical Committee, Idaho Natural Areas Council. 1977. Endangered and threatened plants of Idaho. Bull. 21. Moscow, ID: University of Idaho, College of Forestry, Wildlife and Range Sciences; Forestry, Wildlife and Range Experiment Station. 72 p.

Multispecies  
Status survey

695. Rare and Endangered Plants Technical Committee of the Idaho Natural Areas Council. 1981. Vascular plant species of concern in Idaho. Bull. 34. Moscow, ID: University of Idaho, College of Forestry, Wildlife and Range Sciences; Forestry, Wildlife and Range Experiment Station. 161 p.

Multispecies  
Distribution, status survey

696. Rare and Endangered Plants Technical Committee of the Idaho Natural Areas Council. 1983. 1983 status changes and additions to: vascular plant species of concern in Idaho. Bull. 34. Moscow, ID: University of Idaho, College of Forestry, Wildlife and Range Sciences; Forestry, Wildlife and Range Experiment Station. 20 p.

Multispecies  
Distribution, status survey

697. Ratti, John T.; Black, R. Alan; Scott, J. Michael; Acker, Steven A. 1991. Potential impacts of climatological change on the distribution of endemic plants and animals of the Pacific Northwest. Prepared for: U.S. Environmental Protection Agency, Washington, DC. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data

Center, Boise, ID. 91 p. plus appendix.  
Progress report.

Multispecies  
Distribution

698. Rawinski, Thomas J.; Lapin, Beth. 1990. Some effects of beaver flooding on rare swamp birch (*Betula pumila* L.) vegetation in Connecticut: 1984 to 1987. In: Mitchell, Richard S.; Sheviak, Charles J.; Leopold, Donald J., eds. Ecosystem management: rare species and significant habitats: Proceedings of the 15th annual Natural Areas conference; 1990 June 6-9; Syracuse, NY. New York State Museum, Bull. 471. Albany, NY: The University of the State of New York: 244-247.

*Betula pumila glandulifera*  
Community ecology

699. Raymond, Marcel; Dansereau, Pierre. 1953. The geographical distribution of the bipolar Nymphaeaceae, *Nymphaea tetragona*, and *Brasenia schreberi*. Memoires du Jardin Botanique de Montreal. 41: 1-10.

*Nymphaea tetragona*  
Distribution

700. Reader, R. 1979. Impact of leaf-feeding insects on three bog ericads. Canadian Journal of Botany. 57(20): 2107-2112.

*Ledum groenlandicum*  
Biology, community ecology

701. Reader, R. J. 1982. Geographic variation in the shoot productivity of bog shrubs and some environmental correlates. Canadian Journal of Botany. 60(4): 340-348.

*Ledum groenlandicum*  
Biology, community ecology

702. Redente, Edward F.; Ogle, Philip R.; Hargis, Norman E. 1982. Growing Colorado plants from seed: a state of the art. Volume III: forbs. U.S. Department of the Interior, Fish and Wildlife Service; FWS/OBS-82/30. 141 p.

*Astragalus bisulcatus*, *Astragalus drummondii*,  
*Sanicula marilandica*  
Biology

703. Reed, John F. 1952. The vegetation of the Jackson Hole Wildlife Park, Wyoming. The American Midland Naturalist. 48(3): 700-729.

*Scirpus subterminalis*  
Community ecology

704. Reed, Porter B., Jr. 1988. National list of plant species that occur in wetlands: 1988 national summary. Biological Report 88(24). Washington, DC: U.S. Department of the Interior, U.S. Fish and Wildlife Service. 244 p.

Multispecies  
Community ecology, distribution

705. Reed, Porter B., Jr. 1988. National list of plant species that occur in wetlands: Northwest (Region 9). Biological Report 88(26.9). Washington, DC: U.S. Department of the Interior, U.S. Fish and Wildlife Service. 89 p.

Multispecies  
Community ecology, distribution

706. Reeder, John R. 1977. Chromosome numbers in western grasses. American Journal of Botany. 64(1): 102-110.

*Blepharidachne kingii*  
Genetics

707. Reel, Susan; Schassberger, Lisa; Ruediger, William. 1989. Caring for our natural community: Region 1 - Threatened, Endangered & Sensitive Species Program. Missoula, MT: U.S. Department of Agriculture, Forest Service, Northern Region. 309 p. plus appendices.

Multispecies  
Distribution

708. Reese, R. Neil; Henderson, Douglass M. 1980. A survey of rare plants, Big Lost and Mackay planning units, Idaho Falls District, Bureau of Land Management. Unpublished report on file at: University of Idaho, University of Idaho Herbarium, Moscow, ID. 33 p.

Multispecies  
Distribution

709. Reeves, Timothy. 1977. The genus *Botrychium* (Ophioglossaceae) in Arizona. American Fern Journal. 67(2): 33-39.

*Botrychium lanceolatum lanceolatum*, *Botrychium pinnatum*  
Distribution, taxonomy

710. Reid, William H.; Patrick, Gail R.; Lozano, Rogelio. 1981. Additions to the cactus flora of White Sands National Monument, New Mexico. The Southwestern Naturalist. 26(2): 205-207.

*Coryphantha vivipara*  
Distribution

711. Reveal, James L. 1971. A new combination in *Tofieldia glutinosa* (Liliaceae). Rhodora. 73: 53-55.

*Tofieldia glutinosa brevistyla*  
Taxonomy

712. Reveal, James L. 1978. Distribution and phylogeny of Eriogonoideae (Polygonaceae). In: Harper, K. T.; Reveal, James L., organizers. Intermountain biogeography: a symposium. Great Basin Naturalist Memoirs No. 2: 169-190.

*Oxytheca dendroidea*  
Distribution

713. Reveal, James L. 1989. New combinations and novelties in *Eriogonum* (Polygonaceae: Eriogonoideae). Phytologia. 66(3): 251-265.

*Eriogonum capistratum welshii*, *Eriogonum meledonum*, *Eriogonum shockleyi packardiae*, *Eriogonum* sp. nov. (War Eagle Mountain)  
Taxonomy

714. Reznicek, A. A.; Bobbette, R. S. W. 1976. The taxonomy of *Potamogeton* subsection *Hybridii* in North America. Rhodora. 78(816): 650-673.

*Potamogeton diversifolius*  
Taxonomy

715. Rice, Darin James. 1990. An application of restoration ecology to the management of an endangered plant, *Howellia aquatilis*. Pullman, WA: Washington State University. 85 p. Thesis.

*Howellia aquatilis*  
Management techniques

716. Riebesell, John F. 1981. Photosynthetic adaptations in bog and alpine populations of *Ledum groenlandicum*. Ecology. 62(3): 579-586.

*Ledum groenlandicum*  
Biology

717. Riley, J. L. 1979. Some new and interesting vascular plant records from northern Ontario. The Canadian Field-Naturalist. 93: 355-362.

*Kobresia bellardii*, *Kobresia simpliciuscula*  
Distribution

718. Rill, Katherine D. 1985. Green spleenwort (*Asplenium viride*) a new Wisconsin record. *The Michigan Botanist*. 24(1): 38.

*Asplenium viride*  
Distribution

719. Rittenhouse, Bruce Howard. 1990. Distribution and life history of Challis milkvetch (*Astragalus amblytropis* Barneby), an endemic of east-central Idaho. Pocatello, ID: Idaho State University. 75 p. Thesis.

*Astragalus amblytropis*  
Biology, monitoring, status survey

720. Roberts, Anna. 1983. A field guide to the sedges of the Cariboo Forest Region, British Columbia. Land Manage. Rep. 14. ISSN 0702-9861. Victoria, BC: Province of British Columbia, Ministry of Forests. 89 p.

*Carex aenea*, *Carex breweri pandoensis*, *Carex buxbaumii*, *Carex chordorrhiza*, *Carex flava*, *Carex leptalea*, *Carex paupercula*  
Distribution

721. Roberts, Deborah A.; Singer, Robert; Boylen, Charles W. 1985. The submersed macrophyte communities of Adirondack Lakes (New York, U.S.A.) of varying degrees of acidity. *Aquatic Botany*. 21: 219-235.

*Scirpus subterminalis*  
Community ecology

722. Roe, Lisa Schassberger. 1991. Status review of *Mertensia bella*, U.S.D.A. Forest Service - Region 1, Lolo National Forest, Montana. Unpublished report on file at: Montana Natural Heritage Program, Helena, MT. 26 p.

*Mertensia bella*  
Status survey

723. Rollins, Reed C. 1943. Generic revisions in the Cruciferae: *Halimolobos*. Contributions from the Dudley Herbarium. 3(8): 241-288.

*Halimolobos perplexa perplexa*  
Taxonomy

724. Rollins, Reed C. 1948. On two perennial caespitose *Lepidiums* of western North America. *Madroño*. 9: 162-165.

*Lepidium davisii*  
Taxonomy

725. Rollins, Reed C. 1984. Studies in the Cruciferae of western North America II. Contributions from the Gray Herbarium. 214: 1-18.

*Draba trichocarpa*, *Thlaspi aileeniae*  
Distribution, taxonomy

726. Rooney, S. C. 1985. *Betula pumila*. In: The Nature Conservancy Element Stewardship Abstract [Data base]. Boston, MA: The Nature Conservancy, Eastern Regional Office.

*Betula pumila glandulifera*  
Status survey

727. Root, Peter G.; Montgomery, James D. 1987. *Botrychium pinnatum* in Colorado. *American Fern Journal*. 77(2): 68-69.

*Botrychium pinnatum*  
Distribution

728. Roper, Laren Alden. 1970. Some aspects of the synecology of *Cornus nuttallii* in northern Idaho. Moscow, ID: University of Idaho. 81 p. Thesis.

*Cornus nuttallii*  
Community ecology, distribution

729. Rosendahl, C. Otto. 1927. A revision of the genus *Sullivantia*. *Minnesota Studies in Plant Science*. 6: 401-427.

*Sullivantia purpusii*  
Taxonomy

730. Rosentreter, Roger. 1980. Endangered, threatened, and uncommon plants inventory report for the Boise District Bureau of Land Management, 1980. Unpublished report on file at: U.S. Department of the Interior, Bureau of Land Management, Boise District Office, Boise, ID. 66 p.

Multispecies  
Status survey

731. Rosentreter, Roger. 1982. The status report and recovery plan for the twin bladderpod flower in the Salmon District of the BLM. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 27 p.

*Physaria didymocarpa lyrata*  
Biology, distribution, management techniques

732. Rosentreter, Roger. 1986. Sensitive and uncommon plants in the Boise District, Bureau of Land Management, 1986. Tech. Bull. 86-2: Boise, ID: U.S. Department of the Interior, Bureau of Land Management, Boise District. 87 p.

Multispecies  
Distribution, status survey

733. Rosentreter, Roger. 1986. Sensitive and uncommon plants in the Shoshone District Bureau of Land Management. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 23 p.

Multispecies  
Distribution

734. Ross, D. W.; Walstad, J. D. 1986. Estimating aboveground biomass of shrubs and young ponderosa and lodgepole pine in south-central Oregon. Res. Bull. 57. Corvallis, OR: Oregon State University, Forest Research Laboratory. 12 p.

*Haplopappus bloomeri*  
Community ecology

735. Ross, Edward S. 1988. Does *Epipactis gigantea* mimic aphids? Fremontia [a journal of the California Native Plant Society]. July: 28-29.

*Epipactis gigantea*  
Biology

736. Roush, Jon. [n.d.]. The Natural Heritage Program: looking for treasure. Missoula, MT: Northern Lights Issues [a publication of the Northern Lights Research and Educational Institute]. Not paged.

*Grindelia howellii*  
Management techniques

737. Rumely, John Hamilton. 1956. Plant ecology of a bog in northern Idaho. Pullman, WA: Washington State University. 85 p. Dissertation.

*Carex leptalea, Lycopodium inundatum, Scheuchzeria palustris, Scirpus subterminalis, Trientalis arctica, Vaccinium oxycoccus*  
Community ecology

738. Salogga, D. S.; Ammirati, J. F. 1983. *Discula* species associated with anthracnose of dogwood in the Pacific Northwest. Plant Disease. 67(11): 1290.

*Cornus nuttallii*  
Biology

739. Salogga, Dia Felice Smith; Ammirati, Joseph F.; Tukey, H. B., Jr. 1983. Occurrence and symptomology of *Cornus* leaf anthracnose in the Pacific Northwest. In: 80th Annual Meeting of the American Society for Horticultural Science; 1983 October 16-21; McAllen, TX. Hortscience. 18(4 Sec. 2): 57. Abstract.

*Cornus nuttallii*  
Biology

740. Salter, R. E.; Hudson, R. J. 1979. Feeding ecology of feral horses in western Alberta. Journal of Range Management. 32(3): 221-225.

*Eriophorum viridicarinatum*  
Community ecology

741. Sato, Toshiyuki. 1985. Comparative life history of Aspidiaceous ferns in northern Japan with reference to fertility during sporophyte development in relation to habitats. The Botanical Magazine, Tokyo. 98: 371-381.

*Polystichum braunii*  
Biology

742. Sato, Toshiyuki. 1985. Comparative life history of five Hokkaido *Polystichum* ferns with reference to leaf development in relation to altitudinal distribution. The Botanical Magazine, Tokyo. 98: 99-111.

*Polystichum braunii*  
Distribution

743. Savile, D. B. O. 1974. Some new or poorly known rusts of Brassicaceae. Canadian Journal of Botany. 52(7): 1501-1507.

*Draba incerta*  
Biology

744. Schaack, Clark G.; Henderson, Douglass M. 1988. Noteworthy collections: Idaho. Madroño. 35: 354-355.

*Cardamine constancei*  
Distribution

745. Schassberger, Lisa Ann. 1988. Report on the conservation status of *Silene spaldingii*, a candidate threatened species. Unpublished

report on file at: Montana Natural Heritage Program, Helena, MT. 71 p.

*Silene spaldingii*  
Status survey

746. Schassberger, Lisa Ann. 1988. Status review of *Epipactis gigantea*, U.S.D.A. Forest Service - Region 1, Flathead National Forest, Montana. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 42 p.

*Epipactis gigantea*  
Status survey

747. Schassberger, Lisa Ann. 1991. Status review of *Lesquerella carinata* and *Lesquerella paysonii*, U.S.D.A. Forest Service - Region 1, Deerlodge National Forest, Montana. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 40 p.

*Lesquerella paysonii*  
Status survey

748. Schassberger, Lisa A.; Shelly, J. Stephen. 1991. Update to the status review of *Howellia aquatilis*. Field surveys, monitoring studies, and transplant experiments, 1990. Prepared for: U.S. Department of Agriculture, Forest Service, Flathead National Forest, Kalispell, MT. Unpublished report on file at Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 57 p.

*Howellia aquatilis*  
Monitoring, status survey

749. Schlessman, Mark A.; Gilmartin, Amy Jean. 1979. *Tauschias* of the Pacific Northwest: an odd trio of rarities. *Douglasia* [Newsletter of the Washington Native Plant Society]. 3(2): 8-10.

*Tauschia tenuissima*  
Taxonomy

750. Schlessman, Mark A. 1982. Expression of andromonoecy and pollination of tuberous lomatiums (Umbelliferae). *Systematic Botany*. 7(2): 134-149.

*Lomatium rollinsii*  
Biology

751. Schlessman, Mark A. 1984. Systematics of tuberous lomatiums (Umbelliferae). *Systematic Botany Monographs*. Vol. 4. 55 p.

*Lomatium rollinsii*  
Distribution, taxonomy

752. Schmid, Bernhard. 1976. Colonizing plants with persistent seeds and persistent seedlings (*Carex flava* group). *Botanica Helvetica*. 96(1): 19-26.

*Carex flava*  
Biology, community ecology

753. Schmid, Bernhard. 1984. Life histories in clonal plants of the *Carex flava* group. *Journal of Ecology*. 72(1): 93-114.

*Carex flava*  
Biology, community ecology

754. Schmidt, Marjorie G. 1979-1980. Two bulbs with blue flowers. *Pacific Horticulture*. 40(4): 40-42.

*Camassia cusickii*  
Management techniques

755. Schuyler, Alfred E. 1963. A biosystematic study of the *Scirpus cyperinus* complex. *Proceedings of the Academy of Natural Sciences, Philadelphia*. 115(10): 283-311.

*Scirpus cyperinus*  
Taxonomy

756. Schuyler, Alfred E. 1980. *Carex chordorrhiza* in Glacier National Park, Montana. *Rhodora*. 82: 519.

*Carex chordorrhiza*  
Distribution

757. Schuyler, Alfred E. 1983. Distributional notes on northwestern Montana aquatic vascular plants - 1982. *Bartonia*. 49: 52-54.

*Nymphaea tetragona*, *Scirpus subterminalis*  
Distribution

758. Selby, Corinne J.; Pitt, Michael D. 1982. Taxonomic extensions in the Chilcotin Mountains of southern British Columbia. *Northwest Science*. 56(4): 268-275.

*Ranunculus gelidus*  
Distribution

759. Shaw, N. L.; Monsen, S. B.; Stevens, R. [In preparation]. Chapter IV-3. Rosaceae. In: Monsen,

S. B.; Stevens, R., compilers. Restoring range and wildlife habitat in the Intermountain Region. Gen. Tech. Rep. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station.

*Peraphyllum ramosissimum*  
Management techniques

760. Sheppard, Marsha I.; Thibault, D. H. 1984. Natural uranium concentrations of native plants over a low-grade ore body. Canadian Journal of Botany. 62(5): 1069-1075.

*Ledum groenlandicum*  
Community ecology

761. Shelly, J. Stephen. 1987. Status review of *Penstemon lemhiensis*, U.S. Forest Service - Region 1, Beaverhead and Bitterroot National Forests, Montana. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 67 p.

*Penstemon lemhiensis*  
Status survey

762. Shelly, J. Stephen. 1988. Status review of *Howellia aquatilis*, U.S. Forest Service - Region 1, Flathead National Forest, Montana. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 120 p.

*Howellia aquatilis*  
Status survey

763. Shelly, J. Stephen. 1989. Addendum to the status review of *Howellia aquatilis*, U.S.D.A. Forest Service - Region 1, Flathead National Forest, Montana. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Idaho Natural Heritage Program, Boise, ID. 16 p.

*Howellia aquatilis*  
Monitoring, status survey

764. Shelly, J. Stephen. 1989. Report on the conservation status of *Grindelia howellii*, a candidate threatened species. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and

Game, Conservation Data Center, Boise, ID. 139 p.

*Grindelia howellii*  
Status survey

765. Shelly, J. Stephen. 1989. Status review of *Claytonia lanceolata* var. *flava*, U.S. Forest Service - Region 1, Beaverhead, Deerlodge and Gallatin National Forests, Montana. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 42 p.

*Claytonia lanceolata* *flava*  
Status survey

766. Shelly, J. Stephen. 1989. Update to the report on the conservation status of *Claytonia lanceolata* var. *flava*, a candidate threatened taxon. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 39 p.

*Claytonia lanceolata* *flava*  
Status survey

767. Shelly, J. Stephen. 1990. Report on the conservation status of *Penstemon lemhiensis*, a candidate threatened species: Montana. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 89 p.

*Penstemon lemhiensis*  
Status survey

768. Shelly, J. Stephen. 1990. Status review update and establishment of demographic monitoring studies: *Penstemon lemhiensis*. Prepared for: U.S. Department of Agriculture, Forest Service - Region 1, Beaverhead and Bitterroot National Forests, Montana. Unpublished Montana Natural Heritage Program report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 61 p.

*Penstemon lemhiensis*  
Monitoring, status survey

769. Shelly, J. Stephen; Moseley, Robert K. 1988. Report on conservation status of *Howellia aquatilis*, a candidate threatened species. Unpublished report on file at: Idaho

Department of Fish and Game, Conservation Data Center, Boise, ID. 166 p.

*Howellia aquatilis*  
Status survey

770. Sheviak, C. J. 1974. Notes on some rare Illinois orchids. *Transactions, Illinois State Academy of Science*. 67(1): 122-130.

*Habenaria obtusata*  
Distribution

771. Shultz, John S. 1980. Botanical survey of the Burley Ranger District with special emphasis on plant species proposed for listing as threatened or endangered: Sawtooth National Forest: Black Pine, Sublette, Raft River, Albion Mountain Divisions. Prepared for: Western Wildland Resources, Logan, UT. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 41 p. plus maps.

Multispecies  
Status survey

772. Shultz, John S.; Shultz, Leila M. 1978. Report on the botanical survey of endangered and threatened plants, Caribou National Forest. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 114 p.

*Astragalus jejunus, Cryptantha breviflora*  
Status survey

773. Siddall, Jean L. 1978. Status report for *Mirabilis macfarlanei*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Mirabilis macfarlanei*  
Status survey

774. Siddall, Jean L.; Chambers, Kenton L. 1978. Status report for *Haplopappus radiatus*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 8 p.

*Haplopappus radiatus*  
Status survey

775. Siddall, Jean L.; Chambers, Kenton L. 1978. Status report for *Silene spaldingii*. Unpublished report on file at: Idaho Department of

Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Silene spaldingii*  
Status survey

776. Siddall, Jean L.; Chambers, Kenton L.; Wagner, David H. 1979. Rare, threatened and endangered vascular plants in Oregon: an interim report. Salem, OR: Oregon State Land Board, Division of State Lands. 109 p.

Multispecies  
Distribution

777. Siddall, Jean L.; Packard, Patricia; Chambers, Kenton L. 1978. Status report for *Astragalus sterilis*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 10 p.

*Astragalus sterilis*  
Status survey

778. Simpson, M. 1990. Roadless EIS, T.E.S. Clearance - Steens Creek. Prepared for: U.S. Department of Agriculture, Payette National Forest, New Meadows Ranger District, New Meadows, ID. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Allium tolmiei persimile, Castilleja oresbia, Mimulus clivicola, Penstemon elegantulus*  
Status survey

779. Sims, R. A.; Stewart, J. M. 1981. Aerial biomass distribution in an undisturbed and disturbed subarctic bog. *Canadian Journal of Botany*. 59: 782-786.

*Betula pumila glandulifera*  
Community ecology

780. Slack, Nancy G.; Vitt, Dale H.; Horton, Diana G. 1980. Vegetation gradients of minerotrophically rich fens in western Alberta. *Canadian Journal of Botany*. 58: 330-350.

*Andromeda polifolia, Carex chordorrhiza, Carex leptalea, Carex paupercula, Salix candida, Salix pedicellaris, Scheuchzeria palustris*  
Community ecology

781. Slater, F. M.; Agnew, A. D. Q. 1977. Observations on a peat bog's ability to withstand increasing public pressure. *Biological Conservation*. 11: 21-27.

*Andromeda polifolia, Rhynchospora alba*  
Community ecology

782. Slater, James R. 1976. Ribes distribution in Washington State. Occasional Papers of the Museum of Natural History University of Puget Sound. 49: 668-680.

*Ribes howellii*, *Ribes sanguineum*  
Distribution

783. Smart, P. Jane; Wheeler, B. D.; Willis, A. J. 1989. Revegetation of peat excavations in a derelict raised bog. *New Phytologist*. 111(4): 733-748.

*Andromeda polifolia*  
Community ecology

784. Smith, Dale M.; Craig, Sally P.; Santarosa, Janet. 1971. Cytological and chemical variation in *Pityrogramma triangularis*. *American Journal of Botany*. 58(4): 292-299.

*Pityrogramma triangularis*  
Taxonomy

785. Smith, Justin. 1974. *Peraphyllum ramosissimum* Nutt. In: Schopmeyer, C. S., tech. coord. Seeds of woody plants in the United States. Agric. Handb. 450. Washington, DC: U.S. Department of Agriculture, Forest Service: 576-577.

*Peraphyllum ramosissimum*  
Biology

786. Smithman, Lynda C. 1984. Threatened and endangered plant survey proposed Silver-Midpoint transmission line. Prepared by: Ralston and Associates, Meridian, ID. Unpublished report on file at: Idaho Power Company, Boise, ID. 15 p.

*Astragalus atratus inceptus*, *Astragalus oniciformis*  
Status survey

787. Smithman, Lynda C. 1988. Threatened and endangered species training and inventory project: *Astragalus atratus* Wats. variety *inceptus* Barneby. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Shoshone District. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 22 p. plus appendices.

*Astragalus atratus inceptus*  
Status survey

788. Smithman, Lynda C. 1989. Distribution and occurrence, *Mentzelia mollis* Peck. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Vale District, Vale, OR. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 41 p.

*Mentzelia mollis*  
Status survey

789. Smithman, Lynda C. 1989. Threatened and endangered species training and inventory project: *Astragalus atratus* Wats. variety *inceptus* Barneby. Tech. Bull. 89-1. Boise, ID: U.S. Department of the Interior, Bureau of Land Management, Idaho State Office. 22 p. plus appendix.

*Astragalus atratus inceptus*  
Status survey

790. Smithman, Lynda C. 1990. *Astragalus sterilis* Barneby: distribution and occurrence east of Owyhee Reservoir Malheur County, Oregon. Prepared for: U.S. Department of the Interior, Bureau of Land Management, Vale District, Vale, OR. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 38 p.

*Astragalus sterilis*  
Status survey

791. Smithman, Lynda C. 1991. Monitoring: a preliminary assessment. *Astragalus atratus* S. Wats. var. *inceptus* Barneby. Unpublished report prepared for and on file at: U.S. Department of the Interior, Bureau of Land Management, Shoshone District, Shoshone, ID. 50 p.

*Astragalus atratus inceptus*  
Monitoring

792. Snyder, David B. 1985. Additions to New Jersey's flora. *Bartonia*. 51: 95-98.

*Botrychium simplex*  
Distribution

793. Soil Conservation Service. 1982. National list of scientific plant names. Volume 1: list of plant names. Washington, DC: U.S. Department of Agriculture, Soil Conservation Service; SCS-TP-159. 416 p.

Multispecies  
Taxonomy

794. Soil Conservation Service. 1982. National list of scientific plant names. Volume 2: synonymy. Washington, DC: U.S. Department

of Agriculture, Soil Conservation Service; SCS-TP-159. 438 p.

Multispecies  
Taxonomy

795. Soltis, Douglas E.; Mayer, Michael S.; Soltis, Pamela S.; Edgerton, Michael. 1991. Chloroplast-DNA variation in *Tellima grandiflora* (Saxifragaceae). American Journal of Botany. 78(10): 1379-1390.

*Tellima grandiflora*  
Distribution, genetics

796. Soltis, Pamela S.; Soltis, Douglas E. 1988. Genetic variation and population structure in the fern *Blechnum spicant* (Blechnaceae) from western North America. American Journal of Botany. 75(1): 37-44.

*Blechnum spicant*  
Biology, genetics

797. Soltis, Pamela S.; Soltis, Douglas E.; Alverson, Edward R. 1987. Electrophoretic and morphological confirmation of interspecific hybridization between *Polystichum kruckebergii* and *P. munitum*. American Fern Journal. 77(2): 42-49.

*Polystichum braunii*, *Polystichum kruckebergii*  
Taxonomy

798. Sorrie, Bruce A. 1986. Distribution and habitat of *Ludwigia polycarpa* in New England. American Journal of Botany. 73(5): 677. Abstract.

*Ludwigia polycarpa*  
Distribution

799. Spahr, Robin; Armstrong, Lori; Atwood, Duane; Rath, Mike. 1991. Threatened, endangered, and sensitive species of the Intermountain Region. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Region. Not paged.

Multispecies  
Distribution

800. Speirs, D. C. 1978. The cacti of western Canada. The National Cactus and Succulent Journal. 33(4): 83-84.

*Coryphantha vivipara*  
Distribution

801. Spencer, Sue G.; Russell, Brent F., eds. 1979. Bruneau known geothermal resource area: an environmental analysis. EGG-GTH-5004. Prepared for the U.S. Department of Energy, Idaho Operations Office. Idaho Falls, ID: Edgerton, Germeshausen and Grier, Inc. 146 p. plus references.

*Astragalus mulfordiae*, *Astragalus purshii*, *ophiogenes*, *Astragalus sterilis*, *Erigeron latus*, *Lepidium davisii*, *Mentzelia mollis*, *Penstemon elegantulus*  
Distribution

802. Spira, Timothy P. 1984. Comparative demography of alpine biennial and perennial gentians (*Gentiana* spp.) in California. In: Abstracts, annual meeting of the Botanical Society of America; 1984 Aug. 5-9; Fort Collins, CO. American Journal of Botany. 71(5 Part 2): 90. Abstract.

*Gentiana tenella*  
Biology

803. Spira, Timothy P.; Pollak, Oren D. 1986. Comparative reproductive biology of alpine biennial and perennial gentians (*Gentiana*: Gentianaceae) in California. American Journal of Botany. 73(1): 39-47.

*Gentiana tenella*  
Biology

804. St. John, Harold. 1929. Notes on northwestern ferns. American Fern Journal. 19(1): 11-16.

*Botrychium minganense*, *Botrychium pinnatum*, *Pityrogramma triangularis*  
Distribution, taxonomy

805. St. John, Harold. 1937. Flora of southeastern Washington and adjacent Idaho. Pullman, WA: Student Book Corporation. 531 p.

Multispecies  
Distribution, taxonomy

806. Standley, Lisa A. 1985. Systematics of the *Acutae* group of *Carex* (Cyperaceae) in the Pacific Northwest. Systematic Botany Monographs. Vol. 7. 106 p.

*Carex angustata*  
Distribution, taxonomy

807. Stark, N. 1966. *Peraphyllum ramosissimum* Nutt. In: Review of highway planting information appropriate to Nevada. Coll. Agric.

Bull. B-7. Reno, NV: University of Nevada, Desert Research Institute: 106-107.

*Peraphyllum ramosissimum*  
Biology

808. Steele, Bob. 1979. *Ceanothus prostratus* Benth. in Idaho. Pahove [Bulletin for Idaho Native Plant Society - Pahove chapter, Boise, ID]. 1(1): 1-2.

*Ceanothus prostratus*  
Distribution

809. Steele, L. Frederic. 1991. The White Mountains. Wild Flower Notes [a publication of the New England Wild Flower Society Inc.]. 6(1): 19-24.

*Thelypteris phegopteris*  
Community ecology

810. Steele, Robert; Stickney, Peter F. 1974. *Allotropa virgata* (Ericaceae), first records for Idaho and Montana. *Madroño*. 22(5): 277.

*Allotropa virgata*  
Distribution

811. Steele, Robert W. 1971. Red alder habitats in Clearwater County, Idaho. Moscow, ID: University of Idaho. 88 p. Thesis.

*Blechnum spicant*, *Cardamine constancei*, *Carex hendersonii*, *Corydalis caseana hastata*, *Cypripedium fasciculatum*, *Dodecatheon dentatum*, *Juncus effusus pacificus*, *Phlox idahonis*, *Trifolium latifolia*, *Viola sempervirens*

Community ecology

812. Steele, Robert W. 1975. A directory to disjunct and endemic plants of central and southern Idaho. Inf. Ser. 9. Moscow, ID: University of Idaho, College of Forestry, Wildlife and Range Sciences; Forestry, Wildlife and Range Experiment Station. 26 p.

Multispecies  
Distribution

813. Steyermark, Julian A. 1934. Studies in *Grindelia*. II. A monograph of the North American species of the genus *Grindelia*. *Annals of the Missouri Botanical Garden*. 21(3): 433-608.

*Grindelia howellii*  
Taxonomy

814. Stickney, Peter F. 1980. Data base for post-fire succession, first 6 to 9 years, in Montana

larch-fir forests. Gen. Tech. Rep. INT-62. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 133 p.

*Calamagrostis tweedyi*  
Community ecology

815. Stockhouse, Robert E., II. 1975. Nectar composition of hawkmoth-visited species of *Oenothera* (Onagraceae). *Great Basin Naturalist*. 35(3): 273-274.

*Oenothera psammophila*  
Biology

816. Stockhouse, Robert Erland. 1973. Biosystematic studies of *Oenothera* L. subgenus *Pachylophus*. Fort Collins, CO: Colorado State University. 152 p. Dissertation.

*Oenothera psammophila*  
Biology, taxonomy

817. Strid, Arne; Papanicolaou, Kostas. 1981. Floristic notes from the mountains of northern Greece. *Nordic Journal of Botany*. 1(1): 66-82.

*Blechnum spicant*, *Rhynchospora alba*  
Distribution

818. Szczawinski, Adam F. 1962. The heather family (Ericaceae) of British Columbia. Handb. 19. Victoria, BC: British Columbia Provincial Museum, Department of Recreation and Conservation. 205 p.

*Allotropa virgata*  
Distribution

819. Szerdahelyi, T. 1984. Rare ferns of Hungary. III. The establishment of fern species in a planted pine forest. *Studia Botanica Hungarica*. 17: 15-22.

*Asplenium trichomanes*  
Distribution

820. Taft, John B.; Solecki, Mary Kay. 1990. Vascular flora of the wetland and prairie communities of Gavin Bog and Prairie Nature Preserve, Lake County, Illinois. *Rhodora*. 92(871): 142-165.

*Betula pumila glandulifera*, *Carex buxbaumii*, *Carex comosa*, *Scirpus cyperinus*, *Thalictrum dasycarpum*, *Vaccinium oxycoccus*, *Viburnum opulus americanum*

Distribution

821. Takahashi, Hideki. 1987. Pollen morphology and its taxonomic significance of the Monotropoideae (Ericaceae). *Botanical Magazine Tokyo*. 100(1060): 385-405.

*Allotropa virgata*  
Taxonomy

822. Talbot, Stephen L.; Looman, Sandra J.; Welsh, Stanley L. 1988. *Cicuta bulbifera* L. (Umbelliferae) in Alaska. *Great Basin Naturalist*. 48(3): 382.

*Cicuta bulbifera*  
Distribution

823. Tans, William E.; Read, Robert H. 1975. Recent Wisconsin records for some interesting vascular plants in the western Great Lakes region. *The Michigan Botanist*. 14(3): 131-143.

*Scirpus subterminalis*  
Distribution

824. Tappeiner, John; Zasada, John; Ryan, Peter; Newton, Michael. 1991. Salmonberry clonal and population structure: the basis for a persistent cover. *Ecology*. 72(2): 609-618.

*Rubus spectabilis*  
Biology, community ecology

825. Tappeiner, John C., II; Helms, John A. 1971. Natural regeneration of Douglas-fir and white fir on exposed sites in the Sierra Nevada of California. *American Midland Naturalist*. 86(2): 358-370.

*Ceanothus prostratus*  
Community ecology

826. Taylor, Jan R.; Evans, Dan K. 1978. A taxonomic study of the genus *Cyperus* (Cyperaceae) in West Virginia. *Association of Southeastern Biologists Bulletin*. 25(2): 64-65.

*Cyperus rivularis*  
Distribution, taxonomy

827. Taylor, Ronald J. 1980. Vegetation reconnaissance of selected locations in the Sawtooth National Recreation Area. Prepared for: Sawtooth National Recreational Area, ID. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 24 p.

*Astragalus vexilliflexus nubilus, Draba apiculata*  
Status survey

828. Taylor, Ronald J.; Douglas, George W.; Sundquist, Leona M. 1973. Contributions to the flora of Washington. II. *Northwest Science*. 47(3): 169-179.

*Botrychium pinnatum, Carex breweri pandoensis, Cicuta bulbifera, Kobresia bellardii, Rhinanthus minor, Scirpus cyperinus*  
Distribution

829. Thien, L. B. 1969. Co-evolution of mosquitoes and *Habenaria obtusata* (Orchidaceae). In: XI International Botanical Congress; 1969 August 24-September 2, and the International Wood Chemistry Symposium; September 2-4; Seattle, WA. [Place of publication unknown]: International Botanical Congress: 217. Abstract.

*Habenaria obtusata*  
Biology

830. Thien, Leonard B. 1969. Mosquito pollination of *Habenaria obtusata* (Orchidaceae). *American Journal of Botany*. 56(2): 232-237.

*Habenaria obtusata*  
Biology

831. Thien, Leonard B.; Utech, Frederick. 1970. The mode of pollination in *Habenaria obtusata* (Orchidaceae). *American Journal of Botany*. 57(9): 1031-1035.

*Habenaria obtusata*  
Biology

832. Thomasson, Joseph R. 1982. New and clarified plant distribution and occurrence records for South Dakota. *The Southwestern Naturalist*. 27(1): 124.

*Ledum groenlandicum*  
Distribution

833. Thompson, Henry J. 1953. The biosystematics of *Dodecatheon*. Contributions from the Dudley Herbarium. 4(5): 73-154.

*Dodecatheon dentatum*  
Taxonomy

834. Thompson, John N.; Pellmyr, Olle. 1989. Origins of variance in seed number and mass: interactions of sex expression and herbivory in *Lomatium salmoniflorum*. *Oecologia*. 79(3): 395-402.

*Lomatium salmoniflorum*  
Biology

835. Thompson, Rosemary. 1990. Rare plant surveys on MHAFB [Mountain Home Air Force Base] and the small arms range. Prepared for: Science Applications International Corporation. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 4 p.

*Lepidium davisii*, *Lepidium papilliferum*  
Status survey

836. Tidestrom, Ivar. 1925. Flora of Utah and Nevada. Contributions from the U.S. National Herbarium. Vol. 25. Washington, DC: Smithsonian Institution, United States National Museum. 665 p. plus plates.

Multispecies  
Distribution, taxonomy

837. Tiedemann, Arthur R.; Klock, Glen O.; Mason, Lee L.; Sears, Donald E. 1976. Shrub plantings for erosion control in eastern Washington - progress and research needs. Res. Note PNW-279. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Forest and Range Experiment Station. 11 p.

*Ceanothus prostratus*  
Management techniques

838. Tiehm, A. 1984. Noteworthy collections: Nevada. *Madroño*. 31(2): 123-125.

*Astragalus salmonis*, *Erigeron latus*, *Mentzelia mollis*  
Distribution

839. Tiehm, Arnold. 1989. Proposed threatened and endangered plants of the Humboldt Range, Pershing County, Nevada. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. [Number of pages unknown].

*Phacelia inconspicua*  
Status survey

840. Tiku, B. L. 1976. Effect of salinity on the photosynthesis of the halophyte *Salicornia rubra* and *Distichlis stricta*. *Physiologica Plantarum*. 37(1): 23-28.

*Salicornia rubra*  
Community ecology

841. Tiku, Bansi L. 1975. Ecophysiological aspects of halophyte zonation in saline sloughs. *Plant and Soil*. 43(2): 355-369.

*Salicornia rubra*  
Community ecology

842. Tirmenstein, D. A. 1987. *Bouteloua gracilis*. In: Fischer, William C., comp. The Fire Effects Information System [Data base]. Missoula, MT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Intermountain Fire Sciences Laboratory.

*Bouteloua gracilis*  
Community ecology

843. Tirmenstein, D. A. 1987. *Stipa viridula*. In: Fischer, William C., comp. The Fire Effects Information System [Data base]. Missoula, MT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Intermountain Fire Sciences Laboratory.

*Stipa viridula*  
Community ecology

844. Tirmenstein, D. A. 1989. *Rubus spectabilis*. In: Fischer, William C., comp. The Fire Effects Information System [Data base]. Missoula, MT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Intermountain Fire Sciences Laboratory.

*Rubus spectabilis*  
Community ecology

845. Tuhy, Joel S. 1981. Stream bottom community classification for the Sawtooth Valley, Idaho. Moscow, ID: University of Idaho. 230 p. Thesis.

*Carex buxbaumii*, *Carex livida*  
Community ecology

846. Tuhy, Joel S.; Jensen, Sherman. 1982. Riparian classification for the Upper Salmon/ Middle Fork Salmon River drainages, Idaho. Smithfield, UT: White Horse Associates. 183 p.

*Carex buxbaumii*  
Community ecology

847. Turnbull, Christine L.; Beattie, Andrew J.; Hanzawa, Frances M. 1983. Seed dispersal by ants in the Rocky Mountains. *The Southwestern Naturalist*. 28(3): 289-294.

*Corydalis caseana hastata*  
Biology

848. Turner, Nancy J.; Hebda, Richard J. 1990. Contemporary use of bark for medicine by two Salishan native elders of southeast Vancouver Island, Canada. *Journal of Ethnobotany*. 29: 59-72.

*Cornus nuttallii, Rubus spectabilis*  
Biology

849. Tyron, Alice; Tyron, Rolla. 1974. Geographic patterns in temperate American ferns and some relationships in *Thelypteris*. *American Fern Journal*. 64(4): 99-104.

*Thelypteris nevadensis*  
Taxonomy

850. Uchytil, Ronald J. 1989. *Betula glandulosa*. In: Fischer, William C., comp. The Fire Effects Information System [Data base]. Missoula, MT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Intermountain Fire Sciences Laboratory.

*Betula pumila glandulifera*  
Community ecology, distribution

851. Uhl, Charles H. 1977. Cytogeography of *Sedum lanceolatum* and its relatives. *Rhodora*. 79: 95-114.

*Sedum borschii, Sedum rupicolum*  
Taxonomy

852. Ungar, Irwin A.; Hogan, William; McClelland, Mark. 1969. Plant communities of saline soils at Lincoln, Nebraska. *American Midland Naturalist*. 82(2): 564-577.

*Salicornia rubra*  
Community ecology

853. Uresk, Daniel W.; Paintner, Wayne W. 1985. Cattle diets in a ponderosa pine forest in the northern Black Hills. *Journal of Range Management*. 38(5): 440-442.

*Muhlenbergia racemosa*  
Community ecology

854. U.S. Department of Agriculture, Forest Service. [n.d.]. Idaho and Wyoming endangered and sensitive plant field guide. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Region. 192 p.

Multispecies  
Distribution

855. U.S. Department of Agriculture, Forest Service. [n.d.]. Sensitive plant field guide.

Missoula, MT: U.S. Department of Agriculture, Forest Service, Northern Region. Not paged.

Multispecies  
Distribution

856. U.S. Department of Agriculture, Forest Service, Targhee National Forest. 1987. Threatened, endangered and sensitive plants and animals of the Targhee National Forest. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Region. 110 p.

Multispecies  
Status survey

857. U.S. Department of the Interior, Bureau of Land Management, Cottonwood Resource Area. 1980. Environmental Assessment Record - Macfarlane's four-o'clock Long Gulch Protection Area. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Mirabilis macfarlanei*  
Management techniques

858. U.S. Department of the Interior, Bureau of Land Management, Coeur d'Alene District. 1981. Macfarlane's four-o'clock Long Gulch Habitat Management Plan [ID-6WHA-T8-Salmon River]. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Mirabilis macfarlanei*  
Management techniques

859. U.S. Department of the Interior, Fish and Wildlife Service. 1979. Service lists 32 plants. *Endangered Species Technical Bulletin*. 4(11): 1-8.

*Mirabilis macfarlanei*  
Management techniques

860. U.S. Department of the Interior, Fish and Wildlife Service. 1985. Recovery plan for the Macfarlane's four-o'clock, *Mirabilis macfarlanei*. Portland, OR: U.S. Fish and Wildlife Service. 47 p.

*Mirabilis macfarlanei*  
Management techniques

861. Van Bruggen, Theodore. 1977. Recent additions to the flora of South Dakota.

Proceedings of the South Dakota Academy of Science. 56: 243-244.

*Asplenium viride*  
Distribution

862. Vanbianchi, Ronald; Wagstaff, Steven J. 1988. A floristic survey of Big Beaver Valley. *Douglasia Occasional Papers* [publication of the Washington Native Plant Society]. 3: 1-61.

Multispecies  
Community ecology, distribution

863. Van Hulst, Robert; Theriault, Andree; Shipley, Bill. 1986. The systematic position of the genus *Rhinanthus* (Scrophulariaceae) in North America. *Canadian Journal of Botany*. 64(7): 1443-1449.

*Rhinanthus minor*  
Taxonomy

864. Vasey, George. 1886. New American grasses. *Bulletin of the Torrey Botanical Club*. 13: 52-56.

*Agrostis oregonensis*  
Taxonomy

865. Viereck, Leslie A. 1973. Wildfire in the taiga of Alaska. *Quaternary Research*. 3: 465-495.

*Ledum groenlandicum*  
Community ecology

866. Vora, Robin S. 1988. Species frequency in relation to timber harvest methods and elevation in the pine type of northeast California. *Madroño*. 35(2): 150-158.

*Ceanothus prostratus*  
Community ecology

867. Vories, Kimery. 1981. Growing Colorado plants from seed: a state of the art. Volume I: shrubs. Gen. Tech. Rep. INT-103. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station. 80 p.

*Elaeagnus commutata*, *Peraphyllum ramosissimum*  
Biology

868. Voss, Edward G.; Riefner, Richard E., Jr. 1983. A pyralid moth (Lepidoptera) as pollinator of blunt-leaf orchid. *The Great Lakes Entomologist*. 16(2): 57-60.

*Habenaria obtusata*  
Biology

869. VTN Oregon, Inc. 1979. 1979 environmental inventory of Malin-Midpoint 500 KV transmission line. Prepared for: Pacific Power & Light Company. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 14 p.

*Astragalus mulfordiae*  
Distribution

870. Wagner, David. 1979. Systematics of *Polystichum* in western North America north of Mexico. *Pteridologia*. 1: 1-64.

*Polystichum braunii*, *Polystichum kruckebergii*  
Taxonomy

871. Wagner, David H. 1991. Noteworthy collections: Oregon. *Madroño*. 38: 145-146.

*Europhyton austinae*  
Distribution

872. Wagner, Florence S. 1983. The *Botrychium lanceolatum* group in western North America. In: Conference papers: Joint meeting of the Botanical Society of America and the Canadian Botanical Association; 1983 August 7-11; Grand Forks, ND. *American Journal of Botany*. 70(5 Part 2): 95. Abstract.

*Botrychium lanceolatum lanceolatum*, *Botrychium minganense*, *Botrychium pinnatum*  
Distribution, taxonomy

873. Wagner, Warren H., Jr. 1988. Threatened and endangered (ferns and fern allies of North America). *Bulletin of the American Fern Society*. 15(4&5): 32-34.

*Botrychium simplex*, *Polystichum kruckebergii*  
Management techniques

874. Wagner, Warren H., Jr.; Devine, Timothy B. 1989. Notes. Moonworts (*Botrychium*: *Ophioglossaceae*) in the Jonesville area, Butte and Tehama Counties, California. *Madroño*. 36(2): 131-135.

*Botrychium lanceolatum lanceolatum*, *Botrychium minganense*, *Botrychium simplex*  
Distribution, taxonomy

875. Wagner, Warren H.; Farrar, Donald R.; McAlpin, Bruce W. 1970. Pteridology of the Highlands Biological Station area, southern

Appalachians. Journal of the Elisha Mitchell Scientific Society. 86(1): 1-27.

*Asplenium trichomanes, Botrychium lanceolatum lanceolatum, Thelypteris phegopteris*  
Community ecology, distribution

876. Wagner, Warren H., Jr.; Lord, Lois P. 1956. The morphological and cytological distinctness of *Botrychium minganense* and *B. lunaria* in Michigan. Bulletin of the Torrey Botanical Club. 83(4): 261-280.

*Botrychium lunaria, Botrychium minganense*  
Taxonomy

877. Wagner, W. H., Jr.; Wagner, Florence S. 1981. New species of moonworts, *Botrychium* (Ophioglossaceae), from North America. American Fern Journal. 71(1): 20-30.

*Botrychium crenulatum*  
Taxonomy

878. Wagner, W. H., Jr.; Wagner, F. S. 1986. Three new species of moonworts (*Botrychium* subg. *Botrychium*) endemic in western North America. American Fern Journal. 76(2): 33-47.

*Botrychium crenulatum, Botrychium lanceolatum lanceolatum, Botrychium minganense, Botrychium pinnatum, Botrychium simplex*  
Taxonomy

879. Wagner, W. H., Jr.; Wagner, F. S. 1990. Notes on the fan-leaflet group of moonworts in North America with descriptions of two new members. American Fern Journal. 80(3): 73-81.

*Botrychium minganense*  
Distribution, taxonomy

880. Wagner, W. H., Jr.; Wagner, Florence S. 1983. Genus communities as a systematic tool in the study of New World *Botrychium* (Ophioglossaceae). Taxon. 32(1): 51-63.

*Botrychium crenulatum, Botrychium lanceolatum lanceolatum, Botrychium minganense, Botrychium simplex*  
Taxonomy

881. Wagner, W. H., Jr.; Wagner, Florence S. 1983. Two moonworts of the Rocky Mountains; *Botrychium hesperium* and a new species

formerly confused with it. American Fern Journal. 73(2): 53-62.

*Botrychium lanceolatum lanceolatum, Botrychium minganense, Botrychium pinnatum, Botrychium simplex*  
Taxonomy

882. Wagner, Warren L. 1979. New records to the Animas Mountain flora, New Mexico. The Southwestern Naturalist. 24(2): 291-296.

*Calandrinia ciliata*  
Distribution

883. Wagner, Warren L.; Stockhouse, Robert E.; Klein, William M. 1985. The systematics and evolution of the *Oenothera caespitosa* species complex (Onagraceae). Monographs in Systematic Botany from the Missouri Botanical Garden. Vol. 12. 103 p.

*Oenothera psammophila*  
Taxonomy

884. Wallace, Gary D. 1975. Studies of the Monotropoideae (Ericaceae): taxonomy and distribution. The Wasmann Journal of Biology. 33(1&2): 1-88.

*Allotropa virgata*  
Distribution, taxonomy

885. Wallace, Gary D. 1977. Studies of the Monotropoideae (Ericaceae). Floral nectaries: anatomy and function in pollination ecology. American Journal of Botany. 64(2): 199-206.

*Allotropa virgata*  
Biology

886. Washington Natural Heritage Program. 1981. An illustrated guide to the endangered, threatened and sensitive vascular plants of Washington. Olympia, WA: The Washington Natural Heritage Program. 328 p.

Multispecies  
Distribution

887. Washington Natural Heritage Program. 1981. Endangered, threatened and sensitive vascular plants of Washington. Olympia, WA: Washington Natural Heritage Program. 26 p.

Multispecies  
Distribution

888. Washington Natural Heritage Program. 1982. Endangered, threatened and sensitive vascular plants of Washington. Olympia, WA: Department of Natural Resources. 25 p.

Multispecies  
Distribution

889. Washington Natural Heritage Program. 1984. Endangered, threatened and sensitive vascular plants of Washington. Olympia, WA: Department of Natural Resources. 29 p.

Multispecies  
Distribution

890. Washington Natural Heritage Program. 1987. Endangered, threatened and sensitive vascular plants of Washington. Olympia, WA: Department of Natural Resources. 33 p.

Multispecies  
Distribution

891. Washington Natural Heritage Program. 1990. Endangered, threatened and sensitive vascular plants of Washington. Olympia, WA: Department of Natural Resources. 52 p.

Multispecies  
Distribution

892. Watson, Thomas J., Jr. [n.d.]. Status report for *Penstemon lemhiensis*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 8 p.

*Penstemon lemhiensis*  
Status survey

893. Watson, T. J., Jr. 1976. An evaluation of putatively threatened or endangered species from the Montana flora. Prepared for: U.S. Department of Agriculture, Forest Service, Regional Ecologist, Missoula, MT. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 31 p.

Multispecies  
Distribution

894. Weatherbee, Pamela B. 1991. Calcareous habitats and their plant communities. Wild Flower Notes [a publication of the New England Wild Flower Society Inc.]. 6(1): 14-18.

*Carex flava, Eriophorum viridicarinatum, Lobelia kalmii, Salix candida*  
Community ecology

895. Weber, William A.; Wittmann, Ronald. 1985. Additions to the flora of Colorado - XI. *Phytologia*. 58(6): 385-388.

*Arnica alpina tomentosa*  
Distribution

896. Wehrmeister, Richard R.; Bonde, Erik K. 1977. Comparative aspects of growth and reproductive biology in arctic and alpine populations of *Saxifraga cernua* L. *Arctic and Alpine Research*. 9(4): 401-406.

*Saxifraga cernua*  
Biology

897. Weiler, John H. 1962. A new species of *Downingia*. *Madroño*. 16: 256-258.

*Downingia bacigalupii*  
Taxonomy

898. Wellner, C. A.; Johnson, F. D., eds. 1974. Research Natural Area needs in Idaho: a first estimate: report of the Natural Areas Workshop; 1974 April 24-25; Boise, ID. Moscow, ID: College of Forestry, Wildlife and Range Sciences. 179 p.

Multispecies  
Distribution

899. Welsh, Stanley L. 1979. Status report for *Penstemon compactus*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. Not paged.

*Penstemon compactus*  
Status survey

900. Welsh, Stanley L. 1986. New taxa and combinations in the Utah flora. *Great Basin Naturalist*. 46(2): 254-260.

*Draba apiculata*  
Taxonomy

901. Welsh, Stanley L.; Atwood, N. Duane; Reveal, James L. 1975. Endangered, threatened, extinct, endemic, and rare or restricted Utah vascular plants. *The Great Basin Naturalist*. 35(4): 327-376.

Multispecies  
Distribution

902. Welsh, Stanley L.; Atwood, N. Duane; Goodrich, Sherel; Higgins, Larry C. 1987. A

Utah flora. Great Basin Naturalist Memoirs 9. Provo, UT: Brigham Young University. 894 p.

Multispecies Distribution

903. Welsh, S. L.; Thorne, K. H. 1979. Illustrated manual of proposed endangered and threatened plants of Utah. Unpublished report submitted to and on file at: U.S. Department of the Interior, Fish and Wildlife Service, Denver, CO. 318 p.

*Musineon lineare, Penstemon compactus*  
Status survey

904. Whitehead, Gordon S. 1983. Flora of the Island Park geothermal study area. Pocatello, ID: Idaho State University. 187 p. Thesis.

*Carex buxbaumii, Juncus hallii*  
Distribution

905. Whitney, Gordon G. 1984. The reproductive biology of raspberries and plant-pollinator community structure. American Journal of Botany. 71(7): 887-894.

*Rubus pubescens*  
Biology

906. Whitney, Gordon G. 1986. A demographic analysis of *Rubus idaeus* and *Rubus pubescens*. Canadian Journal of Botany. 64(12): 2916-2921.

*Rubus pubescens*  
Biology

907. Whittaker, C. L. 1990. Vegetation baseline study Grouse Creek Project. Tech. Memo. No. 1. Prepared for: U.S. Department of Agriculture, Forest Service, Challis National Forest, Challis, ID. Unpublished report on file at: James M. Montgomery, Consulting Engineers, Inc., Boise, ID. 16 p. plus appendices.

*Astragalus eucosmus*  
Status survey

908. Widen, C. J.; Britton, D. M. 1971. Chemotaxonomic investigations on the *Dryopteris cristata* complex in North America. Canadian Journal of Botany. 49(7): 1141-1154.

*Dryopteris cristata*  
Taxonomy

909. Wilcox, Douglas A.; Pavlovic, Noel B.; Mueggler, Michelle L. 1985. Selected ecological characteristics of *Scirpus cyperinus* and its role as an invader of disturbed wetlands. Wetlands. 5: 87-98.

*Scirpus cyperinus*  
Community ecology

910. Wilken, D.; Harmon, W.; Feddema, C.; Harrington, H. 1978. Distributional records for the Colorado flora. Great Plains Naturalist. 38(2): 208-210.

*Salix candida*  
Distribution

911. Wilken, Dieter H.; Smith, Dale M.; Harborne, Jeffrey B.; Glennie, C. William. 1982. Flavonoid and anthocyanin patterns and the systematic relationships in *Collomia*. Biochemical Systematics and Ecology. 10(3): 239-243.

*Collomia debilis camporum*  
Taxonomy

912. Williams, Louis O. 1936. Revision of the western *Primulas*. The American Midland Naturalist. 17: 741-748.

*Primula incana, Primula wilcoxiana*  
Taxonomy

913. Williams, M. Coburn; James, L. F. 1974. Toxicity of several nitrite-bearing *Astragalus* species. Proceedings of the Western Society of Weed Science. 27: 4.

*Astragalus diversifolius*  
Biology

914. Williams, M. Coburn; James, Lynn F. 1975. Toxicity of nitro-containing *Astragalus* to sheep and chicks. Journal of Range Management. 28(4): 260-263.

*Astragalus diversifolius, Astragalus tetrapterus*  
Biology

915. Williams, M. Coburn; Stermitz, Frank R.; Thomas, Richard D. 1975. Nitro compounds in *Astragalus* species. Phytochemistry. 14(10): 2306-2308.

*Astragalus diversifolius, Astragalus tetrapterus*  
Biology

916. Wohler, J. R.; Robertson, D. B.; Laube, H. R. 1975. Studies on the decomposition of *Potamogeton diversifolius*. Bulletin of the Torrey Botanical Club. 102(2): 76-78.

*Potamogeton diversifolius*  
Biology

917. Wolf, Paul G. 1988. Analysis of electrophoretic variation in *Claytonia lanceolata* vars. *lanceolata* and *flava*. Unpublished paper on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 29 p.

*Claytonia lanceolata flava*  
Genetics

918. Woodbury, Katy. 1980. Status report for *Musineon lineare*. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 5 p.

*Musineon lineare*  
Status survey

919. Yatskievych, George; Windham, Michael D.; Wollenweber, Eckhard. 1990. A reconsideration of the genus *Pityrogramma* (Adiantaceae) in western North America. American Fern Journal. 80(1): 9-17.

*Pityrogramma triangularis*  
Taxonomy

920. Yoder-Williams, Michael P. 1980. Status report for *Astragalus* sp. nov. Unpublished report on file at: Idaho Department of Fish and Game, Conservation Data Center, Boise, ID. 5 p.

*Astragalus yoder-williamsii*  
Status survey

921. Young, Steven B. 1969. Additions to the flora of Saint Lawrence Island, Alaska. Rhodora. 71: 502-509.

*Carex livida*, *Kobresia simpliciuscula*, *Trientalis arctica*  
Distribution

922. Yuncker, Truman George. 1932. The genus *Cuscuta*. Memoirs of the Torrey Botanical Club. 18(2): 113-331.

*Cuscuta denticulata*  
Distribution, taxonomy

923. Zaczkowski, N. K. 1973. Notes on North Dakota *Astragalus* species distribution. Proceedings of the North Dakota Academy of Science. 27(1): 42. Conference paper.

*Astragalus bisulcatus*, *Astragalus giliviflorus*  
Distribution

924. Zamora, Benjamin Abel. 1975. Secondary succession on broadcast-burned clearcuts of the *Abies grandis*-*Pachistima myrsinites* habitat type in northcentral Idaho. Pullman, WA: Washington State University. 117 p. Dissertation.

*Astragalus paysonii*  
Community ecology

925. Zedler, Paul H. 1987. The ecology of southern California vernal pools: a community profile. Biol. Rep. 85(7.11). Washington, DC: U.S. Department of the Interior, U.S. Fish and Wildlife Service. 136 p.

*Juncus tiehmii*, *Psilocarphus tenellus*  
Community ecology

926. Zika, Peter F. 1982. New stations for *Carex livida* var. *grayana* and *Dryopteris fragrans* in Washington County, Vermont. Rhodora. 84(837): 155-156.

*Carex livida*, *Eriophorum viridicarinatum*  
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927. Zika, Peter F. 1988. The status of *Asplenium viride* in Oregon. American Fern Journal. 78(2): 72-73.

*Asplenium viride*  
Distribution

928. Zimmerman, Michael. 1988. Pollination biology of montane plants: relationship between rate of nectar production and standing crop. American Midland Naturalist. 120(1): 50-57.

*Corydalis caseana hastata*  
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Moseley, Robert K.; Mancuso, Michael; Hedrich, Anne; Shaw, Nancy L., compilers.  
1992. Idaho's rare vascular flora: bibliography, 1896-1991. Gen. Tech. Rep. INT-292.  
Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research  
Station. 78 p.

This bibliography of 928 published and unpublished references provides biologists, managers, and planners an information base on Idaho's rare vascular plants. It covers the period 1896 to 1991 and was generated from the Source Abstract database of the Idaho Conservation Data Center's Biological and Conservation Data System.

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**KEYWORDS:** conservation, ecology, endangered species, environmental management, geographical distribution, monitoring, taxonomy, wild plants

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